STIC Search Report
EIC 2100

STIC Database Tracking Number: 197652

TO:	From:
Satish Rampuria Location: RND 5C11 Art Unit : 2191 Monday, August 07, 2006 Case Serial Number: 10/071526	Geoffrey St. Leger Location: EIC 2100 Randolph-4B31 Phone: 23450 geoffrey.stleger@uspto.gov

Search Notes

Dear Examiner Rampuria,

Attached please find the results of your search request for application 10/071526. I searched Dialog's foreign patent files and non-patent literature files.

Please let me know if you have any questions.

Regards,

Geoffrey St. Leger
4B31/x23540

File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)
(c) 2006 JPO & JAPIO
File 350:Derwent WPIX 1963-2006/UD=200650
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Set	Items	Description
S1	1727270	SOFTWARE OR PROGRAM? ? OR APPLICATION? ? OR FILE? ?
S2	3013667	MODULE? ? OR SUBMODULE? ? OR LIBRARY OR LIBRARIES OR DLL OR DLLS OR COMPONENT? ? OR SUBCOMPONENT? ? OR CONSTITUENT? ?
S3	3745	S1:S2(10N)(MISSING OR ABSENT OR UNAVAILABLE OR ("NOT" OR T OR CANNOT)(3W)(PRESENT OR FIND OR FOUND OR AVAILABLE))
S4	5674	S1:S2(5N)DEPENDEN?
S5	164097	S1:S2(5N)(RELATIONSHIP? ? OR RELIANCE? ? OR RELIANT OR LINK???? OR CONNECT????)
S6	334070	S1:S2(5N)(ACQUIR? OR ACQUISITION OR RETRIEV??? OR OBTAIN??? OR GET? ? OR GETTING OR GOTTEN OR DOWNLOAD??? OR FETCH??? OR TRANSFER???? OR SEND??? OR SENT OR DELIVER??? OR TRANSMIT? OR TRANSMISSION OR UPLOAD??? OR RECEIV? OR RETURN???)
S7	1852304	RECURSIV? OR DYNAMIC? OR FLY OR TRANSPARENT? OR AUTOMATIC? OR REAL()TIME OR ADAPTIV?
S8	60	S3 AND S4:S5 AND S6 AND S7
S9	180	S3 AND S4:S5 AND S6
S10	12	S3 AND S4 AND S6
S11	9044	S7(7N)S6
S12	72	S3 AND S11
S13	127	S8 OR S10 OR S12
S14	33	S13 AND AC=US/PR AND AY=(1963:1998)/PR
S15	42	S13 AND AC=US AND AY=1963:1998
S16	42	S13 AND AC=US AND AY=(1963:1998)/PR
S17	34	S13 AND PY=1963:1998
S18	55	S14:S17
S19	55	IDPAT (sorted in duplicate/non-duplicate order)
S20	477	S3(10N)S6
S21	117684	S1:S2(5N)(ACQUIR? OR ACQUISITION OR RETRIEV??? OR OBTAIN??? OR GET? ? OR GETTING OR GOTTEN OR DOWNLOAD??? OR FETCH???)
S22	188	S3(10N)S21
S23	15	S22 AND AC=US/PR AND AY=(1963:1998)/PR
S24	26	S22 AND AC=US AND AY=1963:1998
S25	26	S22 AND AC=US AND AY=(1963:1998)/PR
S26	58	S22 AND PY=1963:1998
S27	65	S23:S26
S28	55	S27 NOT S19

19/5/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0013366317 - Drawing available
WPI ACC NO: 2003-455741/
Related WPI Acc No: 2003-661832
XRPX Acc No: N2003-362353
Software **implementation installation method in network-** connected **computer system, involves managing access to software implementation requested by policy recipient, when recipient is entitled to access software implementation**
Patent Assignee: MICROSOFT CORP (MICT)
Inventor: CHAN S J; HORSTMANN M; JENSENWORTH G A; KAYS D E; LUCOVSKY M H; MISHRA D P; SHAH B A
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 6523166	B1	20030218	US 1998158022	A	19980921	200343 B

Priority Applications (no., kind, date): US 1998158022 A 19980921

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6523166	B1	EN	19	10	

Alerting Abstract US B1
NOVELTY - The access to software implementation requested by a policy recipient associated with the computer system, is managed when the policy recipient is entitled to access the software implementation. The accessed software is then **automatically** installed in the computer system.
DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1.software implementation installation system; and

2.computer-readable medium storing software implementation installation program.

USE - For on-demand installation of software implementation such as **application** , **components** , system configuration **files** , **dynamic link libraries** (**DLLs**), **application file** and object classes e.g. COM objects in network-connected computer system.
ADVANTAGE - Enables **automatic** installation of software implementation throughout the computer network in a highly flexible, scalable, extensible and efficient manner.
DESCRIPTION OF DRAWINGS - The figure shows a block diagram of the on-demand software implementation installation system.

Title Terms/Index Terms/Additional Words: SOFTWARE; IMPLEMENT; INSTALLATION ; METHOD; NETWORK; CONNECT; COMPUTER; SYSTEM; MANAGE; ACCESS; REQUEST; RECIPIENT; ENTITLE

Class Codes
International Classification (Main): G06F-009/445
US Classification, Issued: 717011000, 707104000, 709246000, 709203000

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J20B2A; T01-N01A2A; T01-N02B1A; T01-S03

19/5/4 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0012980704 - Drawing available
WPI ACC NO: 2003-058187/
Related WPI Acc No: 2002-113278
XRPX Acc No: N2003-045203
Software dependency **processing method in computer system, involves acquiring** dependent **software** components **associated with new** software **to be installed when that** dependent components **are** not available **within computer system**
Patent Assignee: MICROSOFT CORP (MICT)
Inventor: FORBES J A; PARTHASARATHY S; SLIGER M V; STONE J D; TOUTONGHI M J
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20020144248	A1	20021003	US 199899570	A	19980619	200305 B
			US 200271526	A	20020208	

Priority Applications (no., kind, date): US 199899570 A 19980619; US 200271526 A 20020208

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20020144248	A1	EN	20	4	Continuation of application US 199899570
					Continuation of patent US 6381742

Alerting Abstract US A1
NOVELTY - The presence of **dependent software components** associated with a new software to be installed in a computer system, is determined. The required **software component** is **acquired** from a source when the **dependent software components** for the **software** to be installed is **not available** within the computer system.
DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

1.Computer-readable medium storing software dependency processing program ;

2. Software dependency specification method;

3.Name designating software processing method;

4.Computer-readable medium comprising computer software package of nestable software package format;

5.Computer-readable medium storing software installation program; and

6.Computer system for executing software package.

USE - For processing **software dependencies** for programming languages such as **JAVA**, C++ in computer system (claimed), distributed computers and other computer system configurations.
ADVANTAGE - Since the **dependent software components** associated with the new **software** to be installed is **acquired automatically** , a user can easily track all the components associated with the installed software.
DESCRIPTION OF DRAWINGS - The figure shows the system level overview of the software package manager.

Title Terms/Index Terms/Additional Words: SOFTWARE; DEPEND; PROCESS; METHOD ; COMPUTER; SYSTEM; ACQUIRE; COMPONENT; ASSOCIATE; NEW; INSTALLATION; AVAILABLE

Class Codes
International Classification (Main): G06F-009/44
US Classification, Issued: 717167000

File Segment: EPI;

DWPI Class: T01
Manual Codes (EPI/S-X): T01-F05B2; T01-S03

19/5/5 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0012729778 - Drawing available
WPI ACC NO: 2002-582074/
XRPX Acc No: N2002-461510
Computer system for managing files **, uses code that directs processor to create shadow** file **containing** missing **desired properties, if all of desired properties are not contained within first computer file**
Patent Assignee: INTERGRAPH CORP (INTE-N)
Inventor: AITKEN R B; HOLT T M; SCOTT S D; WHITTEN M
Patent Family (1 patents, 1 countries)

Patent			Application			
Number	Kind	Date	Number	Kind	Date	Update
US 6411970	B1	20020625	US 199886309	P	19980521	200262 B
			US 1999316433	A	19990521	

Priority Applications (no., kind, date): US 199886309 P 19980521; US 1999316433 A 19990521

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6411970	B1	EN	14	3	Related to Provisional US 199886309

Alerting Abstract US B1

NOVELTY - The computer system includes a processor, a display coupled to the processor, and a computer readable storage medium coupled to the processor. The storage medium includes code that directs the processor to **retrieve** a first computer **file** from the storage medium, and code that directs the processor to examine the first computer file to determine if all desired properties are contained in the file.

DESCRIPTION - If all of the desired properties are not contained within the first computer file, the storage medium code directs the processor to create a first shadow **file** which is linked to the computer **file** so that the shadow **file** may contain the **missing** desired properties. An INDEPENDENT CLAIM is also included for a method for managing computer files.

USE - For managing computer files, such as document and document properties.

ADVANTAGE - Permits standardization of document properties for each document file created by a wide range of applications.

DESCRIPTION OF DRAWINGS - The figure depicts a schematic flow diagram of a computer file management method.

Title Terms/Index Terms/Additional Words: COMPUTER; SYSTEM; MANAGE; FILE; CODE; DIRECT; PROCESSOR; SHADOW; CONTAIN; MISS; PROPERTIES; FIRST

Class Codes
International Classification (Main): G06F-017/30
US Classification, Issued: 707205000, 707003000, 709217000

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-F05E; T01-G03; T01-J05B2B; T01-J11C; T01-S02

19/5/8 (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0011175498 - Drawing available

WPI ACC NO: 2002-113278/200215
Related WPI Acc No: 2003-058187
XRPX Acc No: N2002-084368
Installation management method for software **packages involves** sending **manifest** file **describing the distribution unit which manages the installation**
Patent Assignee: FORBES J A (FORB-I); MICROSOFT CORP (MICT); PARTHASARATHY S (PART-I); SLIGER M V (SLIG-I); STONE J D (STON-I); TOUTONGHI M (TOUT-I)
Inventor: FORBES J A; PARTHASARATHY S; SLIGER M V; STONE J D; TOUTONGHI M; TOUTONGHI M J
Patent Family (2 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
US 20010029605	A1	20011011	US 199899570	A	19980619	200215	B
US 6381742	B2	20020430	US 199899570	A	19980619	200235	E

Priority Applications (no., kind, date): US 199899570 A 19980619

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20010029605	A1	EN	20	4	

Alerting Abstract US A1
NOVELTY - **Software** package manager **sends** manifest **file** to user. Information in manifest file allows determination of components to be loaded, **components** already loaded. Distribution unit then **sent** and **components** extracted from it and installed. Information from manifest file describing installed software components also stored.
DESCRIPTION - INDEPENDENT CLAIMS are included for:
1. Stored software implementing the described method.
2. A client server computer system implementing the described method.
USE - A method of managing software package installation (claimed).
ADVANTAGE - Handles cross-platform **software** , specifies the **component dependencies** and is applicable to older distribution media as well as to network distribution.
DESCRIPTION OF DRAWINGS - Drawing is a block diagram of a system implementing the described method.

Title Terms/Index Terms/Additional Words: INSTALLATION; MANAGEMENT; METHOD; SOFTWARE; PACKAGE; SEND; MANIFEST; FILE; DESCRIBE; DISTRIBUTE; UNIT; MANAGE

Class Codes
International Classification (Main): G06F-009/44, G06F-009/445
US Classification, Issued: 717011000, 717011000, 707203000

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-F05B2; T01-J20B2; T01-N01D; T01-N02A3C; T01-S03

19/5/11 (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0010554368
WPI ACC NO: 2001-157914/200116
Related WPI Acc No: 2000-270270
XRPX Acc No: N2001-114930
Network resources providing system used by slide prevention program , **launches remote slide presentation** file retrieved **from remote computer, with slides having resources,** automatically **during updating**
Patent Assignee: MICROSOFT CORP (MICT)
Inventor: BRETSCHNEIDER R; QURESHI I I; SIU B

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 6128629	A	20001003	US 1997970216	A	19971114	200116 B
			US 2000479528	A	20000107	

Priority Applications (no., kind, date): US 1997970216 A 19971114; US 2000479528 A 20000107

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6128629	A	EN	13	5	Continuation of application US 1997970216
					Continuation of patent US 6041333

Alerting Abstract US A

NOVELTY - A local computer executing slide presentation **program** , is **connected** to computer network (52). A **program** code determines whether local slide presentation file (210) is to be updated. If need for updating is determined, the remote slide presentation **file** (224) is selectively **retrieved** from remote computer connected to network, and slide presentation including slides with resources is launched **automatically** .

DESCRIPTION - The resources are either embedded or linked to the slides and stored at another location separate from the remote computer. An INDEPENDENT CLAIM is also included for resource version updating method.

USE - For providing resources such as clip art, videos, sound clips, graphic effects, templates, text files, spread sheets, documents and database macros in networks such as LAN, WAN, Internet to slide presentation application program.

ADVANTAGE - Allows user to access information that is stored on a remote computer without need for accessing remote computer every time to view the required information by allowing user to access updated local copy of the information. Allows supplier to provide information and accessories that are **not available** during preparation of **software** product to user. Reduces amount of space on product storage medium required to store all the information when product transaction occurs.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of resource providing system of slide presentation program.

52 Computer network
210 Local slide presentation file
224 Remote slide presentation file

Title Terms/Index Terms/Additional Words: NETWORK; RESOURCE; SYSTEM; SLIDE; PREVENT; PROGRAM; LAUNCH; REMOTE; PRESENT; FILE; RETRIEVAL; COMPUTER; **AUTOMATIC** ; UPDATE

Class Codes

International Classification (Main): G06F-012/00
US Classification, Issued: 707203000, 707104000, 707513000, 707517000

File Segment: EPI;
DWPI Class: T01; W01
Manual Codes (EPI/S-X): T01-F02C2; T01-F05E; T01-H07C5E; W01-A06B7

19/5/15 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX

0009998511 - Drawing available
WPI ACC NO: 2000-302108/
Related WPI Acc No: 2000-302737
XRPX Acc No: N2000-225651

Automated software updating and distribution in computer network, involves performing specified procedure to maintain computer network by updating

software, when specified relations are satisfied
Patent Assignee: FRYE R (FRYE-I)
Inventor: FRYE R
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 6038586	A	20000314	US 1993176429	A	19931230	200026 B
			US 1997850204	A	19970502	

Priority Applications (no., kind, date): US 1993176429 A 19931230; US 1997850204 A 19970502

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6038586	A	EN	17	4	Division of application US 1993176429

Alerting Abstract US A

NOVELTY - An interrogation of the computer is issued from the server over the computer network, to determine system configuration. The specified set of criteria is compared with system configuration, to establish whether the relations are satisfied. Based on these relations, the specified procedure is performed to maintain the network by updating the software.

DESCRIPTION - The **file receiver receives** the specified procedure comprising the steps for updating the **software** , set of criteria and **relationship** , from a network manager.

USE - For **automatically** distributing software to and updating software and files on workstations on computer network.

ADVANTAGE - Allows computer network administrators to maintain the most up to date versions of their standard software applications, thus providing network users with benefit of newest features of **programs** . Reduces time during which a network is **unavailable** due to installing, updating and fixing **software** that presently results in inability of the network users to make use of network.

DESCRIPTION OF DRAWINGS - The figure shows configuration of computer network.

Title Terms/Index Terms/Additional Words: **AUTOMATIC** ; SOFTWARE; UPDATE; DISTRIBUTE; COMPUTER; NETWORK; PERFORMANCE; SPECIFIED; PROCEDURE; MAINTAIN; RELATED; SATISFY

Class Codes
International Classification (Main): G06F-009/00
US Classification, Issued: 709100000, 709102000

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-F05G5; T01-H07C3; T01-H07C5S; T01-J20B2

19/5/17 (Item 17 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0009864510 - Drawing available
WPI ACC NO: 2000-159918/
XRPX Acc No: N2000-119317
Dynamic **configuring and monitoring apparatus for host connected to gateway device in computing network environment**
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: RATCLIFF B H; VALLEY S R
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 6014699	A	20000111	US 1997921433	A	19970829	200014 B

Priority Applications (no., kind, date): US 1997921433 A 19970829

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6014699	A	EN	21	7	

Alerting Abstract US A

NOVELTY - The IP datagram of a particular initiating host is received after receiving a SET IP address command relative to the initiating host, in the gateway device. Then, the received IP datagram and IP address are compared with data stored in port sharing table. If the IP datagram and IP address does not match with data in port sharing table, the information about initiating host is added to the table.

DESCRIPTION - The gateway device connects the initiating host to a receiving host. The SET IP address command is sent by the initiating host to establish communication link with a receiving host. The data stored in port sharing table which is accessible by the gateway device, includes IP addresses and predefined information of several initiating hosts that are electronically connected to gateway device via LAN. An INDEPENDENT CLAIM is also included for

USE - For hosts connected to gateway device in computing network environment implementing internet protocol.

ADVANTAGE - The efficiency of data transfer is improved by avoiding the requirement of building LAN media headers. The complexity of configuring gateway devices is reduced by the use of command interface.

DESCRIPTION OF DRAWINGS - The figure shows data flow from the gateway device to the host.

Title Terms/Index Terms/Additional Words: **DYNAMIC** ; MONITOR; APPARATUS; HOST; CONNECT; GATEWAY; DEVICE; COMPUTATION; NETWORK; ENVIRONMENT

Class Codes

International Classification (Main): G06F-013/00
US Classification, Issued: 709224000, 709220000, 709221000, 709222000, 370402000, 370254000

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-E01C; T01-H07C5E; T01-H07P; T01-M02A1C

19/5/19 (Item 19 from file: 350)

DIALOG(R)File 350:Derwent WPIX

0009611506 - Drawing available
WPI ACC NO: 1999-561209/199947
XRPX Acc No: N1999-414664
Applications downloading **system from server to client in client-server system**
Patent Assignee: EDWARDS WORLD SOURCE CO J D (EDWA-N)
Inventor: FOOS J L; MCVANEY C E; YINGER G S

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
US 5960204	A	19990928	US 1996740360	A	19961028	199947	B

Priority Applications (no., kind, date): US 1996740360 A 19961028

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 5960204	A	EN	21	10	

Alerting Abstract US A

NOVELTY - The menu driver (260) of client computer (120) selects desired applications for execution. A check unit checks if specifications for

executing selected **applications** are available in local repository. In case required specification are **not available** , a middleware unit (450) of client computer downloads them from a server computer (110) through installation unit.

DESCRIPTION - The installation unit is coupled between the server and client computer. The system repository includes a database for storing specification files, specification library (435) for storing form information and a **dynamic link library** (430). An INDEPENDENT CLAIM is also included for application installation method.

USE - In client-server system.

ADVANTAGE - Offers a more reliable and efficient system for installing and updating applications on client computer needless of user instruction that may lead to human errors causing corruption or incorrect installation of application files.

DESCRIPTION OF DRAWINGS - The figure is a model diagram of the application installation system.

110 Server computer
120 Client computer
260 Menu driver
430 **Dynamic link library**
435 Specification library
450 Middleware unit

Title Terms/Index Terms/Additional Words: APPLY; SYSTEM; SERVE; CLIENT

Class Codes
International Classification (Main): G06F-013/00
(Additional/Secondary): G06F-009/445
US Classification, Issued: 395712000, 395200510

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-F01B; T01-F05B; T01-H

19/5/20 (Item 20 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0009582235 - Drawing available
WPI ACC NO: 1999-530187/199945
XRPX Acc No: N1999-392975
Method for implementing automatic **extension of features and upgrades to application for computer devices**
Patent Assignee: MOTOROLA INC (MOTI); SUN MICROSYSTEMS INC (SUNM)
Inventor: HASSEMER B J; SMITH A; SMITH A B
Patent Family (4 patents, 28 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
EP 945792	A2	19990929	EP 1999302207	A	19990322	199945	B
JP 2000029713	A	20000128	JP 199977708	A	19990323	200017	E
MX 199904476	A1	20000801	MX 19994476	A	19990514	200137	E
US 6349408	B1	20020219	US 199879014	P	19980323	200221	E
			US 1998108109	A	19980630		

Priority Applications (no., kind, date): US 199879014 A 19980514; US 199879014 P 19980323; US 1998108109 A 19980630

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
EP 945792	A2	EN	17	11	
Regional Designated States,Original: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
JP 2000029713	A	JA	40		
US 6349408	B1	EN			Related to Provisional US 199879014

Alerting Abstract EP A2

NOVELTY - A new software module is installed (301) using an installation function provided with the software module and checks are completed to ensure the services required by the module are available (303). Once these installation and checking steps are complete, new software module is activated (305), the activation module can include registration of services provided by the new module and available to the application.

DESCRIPTION - INDEPENDENT CLAIMS are made for the following:

1. a computer program product for providing extensible applications; (in a computer system, a method for defining a software module; (a computer program product of a software module.

USE - For providing extensible applications with new features and upgrades, including **automatic** installation, to computing devices including handheld devices and network personal computers.

ADVANTAGE - Using a software module capable of installing itself removes the necessity of the user performing a complicated installation process. The module can inform the application about services which the **module** depends upon so that if they are **not available** , the **application** can **obtain** them. The **module** can register the services it provides, making them available to other modules.

DESCRIPTION OF DRAWINGS - The figure illustrates a high level flowchart of the process.

301 Install **software module** ((303) Check for **dependencies** required by the **software module** ((305) Activate the software module including registering services provided by the software.

Title Terms/Index Terms/Additional Words: METHOD; IMPLEMENT; **AUTOMATIC** ; EXTEND; FEATURE; UPGRADING; APPLY; COMPUTER; DEVICE

Class Codes

International Classification (Main): G06F-009/445, G06F-009/455, H04M-001/02
(Additional/Secondary): G06F-009/06
US Classification, Issued: 717011000

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-F01B; T01-F05B; T01-J20C

19/5/22 (Item 22 from file: 350)

0008945975 - Drawing available
WPI ACC NO: 1998-498095/ **199843**
XRPX Acc No: N1998-389114

Computer operating system with support for different hardware platform - initially loads base portion of operating system which determines what particular type of hardware components are present, before loading software components that are specifically associated with the hardware

Patent Assignee: IBM CORP (IBMC); INT BUSINESS MACHINES CORP (IBMC)
Inventor: BRUCE G M; MEALEY B G; MICHAEL S W; RANDAL C S; SWANBERG R C; WILLIAMS M S

Patent Family (9 patents, 30 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
EP 867806	A2	19980930	EP 1998301425	A	19980226	199843	B
JP 10260819	A	19980929	JP 199850988	A	19980303	199849	E
US 5826090	A	19981020	US 1997820471	A	19970317	199849	E
CN 1193772	A	19980923	CN 1998103841	A	19980216	199906	E
SG 56071	A1	19990118	SG 1998389	A	19980223	199930	E

TW 353739	A	19990301	TW 1997114951	A	19971013	199930	E
KR 1998079637	A	19981125	KR 19981756	A	19980121	200004	E
KR 311583	B	20011115	KR 19981756	A	19980121	200240	E
CN 1091273	C	20020918	CN 1998103841	A	19980216	200525	E

Priority Applications (no., kind, date): US 1997820471 A 19970317

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
EP 867806	A2	EN	6	2	
Regional Designated States,Original: AL AT BE CH DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
JP 10260819	A	JA	7	2	
SG 56071	A1	EN			
TW 353739	A	ZH			
KR 1998079637	A	KO		2	
KR 311583	B	KO			Previously issued patent KR 98079637

Alerting Abstract EP A2

The system includes a base portion that initialises the operating system and determines what particular type of hardware components are present (34). Appropriate software components are then loaded (36) that are specifically associated with the hardware components.

After the operating system is fully loaded with the hardware-specific components, user applications can be executed (38), or other software components may be loaded, such as **dynamic** device drivers.

ADVANTAGE - Does not include **software** support for hardware platforms and data buses that are **not present** in particular computer, therefore use of computer resources is reduced.

Title Terms/Index Terms/Additional Words: COMPUTER; OPERATE; SYSTEM; SUPPORT; HARDWARE; PLATFORM; INITIAL; LOAD; BASE; PORTION; DETERMINE; TYPE; COMPONENT; PRESENT; SOFTWARE; SPECIFIC; ASSOCIATE

Class Codes

International Classification (Main): G06F-013/00, G06F-013/10, G06F-009/00, G06F-009/06, G06F-009/445

US Classification, Issued: 395712000, 395652000

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-F01B; T01-F05B

19/5/29 (Item 29 from file: 350)

DIALOG(R)File 350:Derwent WPIX

0008325499 - Drawing available
WPI ACC NO: 1997-437805/ **199741**
XRPX Acc No: N1997-363960

Data processing system for interactive multimedia device such as interactive television and telephony - has recognition processor for determining match between extracted information components from input information signal and user request and information particular application of need to supply additional information

Patent Assignee: IBM CORP (IBMC); INT BUSINESS MACHINES CORP (IBMC)
Inventor: BRODSKY M H

Patent Family (11 patents, 7 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
EP 794670	A2	19970910	EP 1997301512	A	19970306	199741	B
JP 9294253	A	19971111	JP 199728763	A	19970213	199804	E
KR 1997066841	A	19971013	KR 199665323	A	19961213	199842	E

US 5809471	A	19980915	US 1996612210	A	19960307	199844	E
TW 350941	A	19990121	TW 1996112766	A	19961018	199926	E
KR 233354	B1	19991201	KR 199665323	A	19961213	200111	E
CN 1164801	A	19971112	CN 1997102802	A	19970224	200148	E
EP 794670	B1	20020619	EP 1997301512	A	19970306	200240	E
DE 69713419	E	20020725	DE 69713419	A	19970306	200256	E
			EP 1997301512	A	19970306		
JP 3431789	B2	20030728	JP 199728763	A	19970213	200351	E
CN 1097394	C	20021225	CN 1997102802	A	19970224	200532	E

Priority Applications (no., kind, date): EP 1997301512 A 19970306; US 1996612210 A 19960307

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
EP 794670	A2	EN	8	1	
Regional Designated States,Original: DE FR GB					
JP 9294253	A	JA	10		
TW 350941	A	ZH			
EP 794670	B1	EN			
Regional Designated States,Original: DE FR GB					
DE 69713419	E	DE			Application EP 1997301512 Based on OPI patent EP 794670
JP 3431789	B2	JA	7		Previously issued patent JP 09294253

Alerting Abstract EP A2

The data processing system for receiving an input signal associated with a program, the input signal having information components for which an application can provide additional information, has a context extractor device for extracting the information components from the input signal. A buffer receives and stores each of the extracted information components. A user interface is provided for the user to request and receive the additional information related to any of the information components.

A recognition processor receives a user request, and recognises a match between the request and the extracted information components, and forwards the match to the application which then supplies the additional information. The match data indicates to the application a requirement to supply the additional information for display to the user.

USE/ADVANTAGE - E.g. for providing user receiving video and/or audio transmission with more support information.

Title Terms/Index Terms/Additional Words: DATA; PROCESS; SYSTEM; INTERACT; DEVICE; TELEVISION; TELEPHONE; RECOGNISE; PROCESSOR; DETERMINE; MATCH; EXTRACT; INFORMATION; COMPONENT; INPUT; SIGNAL; USER; REQUEST; APPLY; NEED; SUPPLY; ADD

Class Codes

International Classification (Main): G06F-017/21, G06F-003/14, G06F-009/06, H04N-005/44, H04N-007/06, H04N-007/08, H04N-007/173
(Additional/Secondary): G06F-013/14, G06F-017/40, G09G-005/00, H04M-011/00, H04N-007/08, H04N-007/081
US Classification, Issued: 704275000, 704010000, 348013000, 348460000, 348468000, 379093250

File Segment: EngPI; EPI;
DWPI Class: T01; W01; W02; W03; W04; P85
Manual Codes (EPI/S-X): T01-J05B; T01-J30; W01-C05B5C; W02-F10E; W03-A10X; W03-A16C5E; W04-V04A

19/5/31 (Item 31 from file: 350)

0008194056 - Drawing available
WPI ACC NO: 1997-297695/ **199727**
XRPX Acc No: N1997-246046
Execution method for application program **and** dynamic link library **- causing application program to make initial call to DLL that specifies preferred DLL version required, with DLL comparing preferred version number to those that it supports, and if not found returning list of compatible versions**
Patent Assignee: INTEL CORP (ITLC)
Inventor: SHIPLEY G C
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 5634114	A	19970527	US 1993154269	A	19931118	199727 B
			US 1995498006	A	19950703	

Priority Applications (no., kind, date): US 1993154269 A 19931118; US 1995498006 A 19950703

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 5634114	A	EN	14	6	C-I-P of application US 1993154269

Alerting Abstract US A
The method of executing an **application program** and a **Dynamic Link Library** (**DLL**), comprises the **application program** making an initial call to the DLL to specify a preferred version number. The DLL looks up the preferred version number in a supported version table, and, if found, **returns** to the **application program** a "preferred version OK" indication, and, if **not found** , **returns** to the **application program** both a "preferred version not supported" indication and at least one supported version number from the supported version table, the supported version table including a set of independent version numbers that the DLL supports.
The application program continues its execution in response to the "preferred version OK" indication. The application program, in response to the "preferred version not supported" indication, compares each supported version number against each of a set of independent version numbers with which the DLL is compatible. The compatible version set being held in a compatible version table. If there is no match, an error trap operation is performed. If there is a match, an initial call is made to the DLL specifying as the preferred version number the version number of the match.
ADVANTAGE - Ensures that there will always be expected data and control interface between **Dynamic Link Library** (**DLL**) and **application program** that relies on DLL. Uses header file to designate DLL versions.

Title Terms/Index Terms/Additional Words: EXECUTE; METHOD; APPLY; PROGRAM; **DYNAMIC** ; LINK; LIBRARY; CAUSE; INITIAL; CALL; DLL; SPECIFIED; PREFER; VERSION; REQUIRE; COMPARE; NUMBER; SUPPORT; FOUND; RETURN; LIST; COMPATIBLE

Class Codes
International Classification (Main): G06F-009/45
US Classification, Issued: 395500000, 395701000, 395710000, 395712000

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-F07; T01-J20B2

19/5/34 (Item 34 from file: 350)

0007009717

WPI ACC NO: 1995-023066/ **199503**
XRPX Acc No: N1995-017863
Sequential information integration service to integrate file transfer - **has several program modules with computer storage and controlled by procedural user interface shell and operating system**
Patent Assignee: HUGHES AIRCRAFT CO (HUGA); RAYTHEON CO (RAYT)
Inventor: BARRETT W H; NGUYEN H T
Patent Family (10 patents, 21 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
WO 1994028482	A1	19941208	WO 1994US5678	A	19940520	199503	B
EP 651895	A1	19950510	EP 1994917456	A	19940520	199523	E
			WO 1994US5678	A	19940520		
JP 8503568	W	19960416	WO 1994US5678	A	19940520	199645	E
			JP 1995500823	A	19940520		
IL 109675	A	19970415	IL 109675	A	19940518	199726	E
US 5692194	A	19971125	US 199369053	A	19930524	199802	E
EP 651895	B1	19990929	EP 1994917456	A	19940520	199945	E
			WO 1994US5678	A	19940520		
DE 69420926	E	19991104	DE 69420926	A	19940520	199953	E
			EP 1994917456	A	19940520		
			WO 1994US5678	A	19940520		
CA 2138661	C	20000314	CA 2138661	A	19940520	200032	E
			WO 1994US5678	A	19940520		
KR 169537	B1	19990115	WO 1994US5678	A	19940520	200038	E
			KR 1995700280	A	19950124		
MX 190007	B	19981009	MX 19943805	A	19940523	200042	E

Priority Applications (no., kind, date): US 199369053 A 19930524

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 1994028482	A1	EN	24	13	
National Designated States,Original: CA JP KR					
Regional Designated States,Original: AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE					
EP 651895	A1	EN	24	13	PCT Application WO 1994US5678 Based on OPI patent WO 1994028482
Regional Designated States,Original: DE DK FR GB NL					
JP 8503568	W	JA	27		PCT Application WO 1994US5678 Based on OPI patent WO 1994028482
IL 109675	A	EN			
US 5692194	A	EN	14	13	
EP 651895	B1	EN			PCT Application WO 1994US5678 Based on OPI patent WO 1994028482
Regional Designated States,Original: DE DK FR GB NL					
DE 69420926	E	DE			Application EP 1994917456 PCT Application WO 1994US5678 Based on OPI patent EP 651895 Based on OPI patent WO 1994028482
CA 2138661	C	EN			PCT Application WO 1994US5678 Based on OPI patent WO 1994028482
KR 169537	B1	KO			PCT Application WO 1994US5678

Alerting Abstract WO A1

Program modules (32,34,36) are sequentially controlled by a procedural user interface (PUI) (38) and an operating system (40) to perform tasks. **Transfer** of **files** or other data entities between the modules (32,34,36) and a storage (13) is seamlessly integrated by a sequential information integration service (SIIS) (50).

For reading a file from storage, the PUI or the operating system generates a read command including a filename designation which can include a path name, complete filename or wild card characters. The read command also includes arguments such as a user or group access code and an error message to display if the required **file** is **not found** .

In an **automatic** mode, the service (50) **automatically** selects the most recent file corresponding to the file name designation and arguments, or displays the error message if a **file** meeting these criteria is **not found** . In a manual mode, the read command includes a manual selection argument which controls the service to display a list of files (64) corresponding to the filename designation and arguments in a dialogue box or window for manual selection.

USE - Integrating **transfer** of **files** and other data entities between several program modules and storage in computer.

Title Terms/Index Terms/Additional Words: SEQUENCE; INFORMATION; INTEGRATE; SERVICE; FILE; TRANSFER; PROGRAM; MODULE; COMPUTER; STORAGE; CONTROL; PROCEDURE; USER; INTERFACE; SHELL; OPERATE; SYSTEM

Class Codes
International Classification (Main): G06F-012/00, G06F-012/000, G06F-017/20 , G06F-017/30, G06F-009/44
(Additional/Secondary): G06F-017/21, G06F-003/14
US Classification, Issued: 395680000, 395619000, 395620000, 395617000

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-F05

19/5/37 (Item 37 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0006323421
WPI ACC NO: 1993-119290/
XRPX Acc No: N1993-091012
Device for indicating presence of optional components on board - uses dedicated pin connecting register to logic zero when component **is present, with register pulled to logic one if** component absent
Patent Assignee: HEWLETT-PACKARD CO (HEWP)
Inventor: SAUVAGE P
Patent Family (5 patents, 5 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
EP 537085	A1	19930414	EP 1992420324	A	19920922	199315	B
FR 2681969	A1	19930402	FR 199112142	A	19910926	199326	E
US 5347182	A	19940913	US 1992950259	A	19920925	199436	E
EP 537085	B1	19951108	EP 1992420324	A	19920922	199549	E
DE 69205941	E	19951214	DE 69205941	A	19920922	199604	E
			EP 1992420324	A	19920922		

Priority Applications (no., kind, date): FR 199112142 A 19910926

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
EP 537085	A1	EN	5	2	
Regional Designated States,Original: DE FR GB IT					
US 5347182	A	EN	5	2	
EP 537085	B1	EN	6	2	
Regional Designated States,Original: DE FR GB IT					
DE 69205941	E	DE			Application EP 1992420324
					Based on OPI patent EP 537085

Alerting Abstract EP A1

The device detects the presence of optional components (01-04) that can be inserted on a microprocessor board. Each optional **component** has a supply pin (10) **connected** to a contact (11) on the board. The contact is connected to a voltage corresponding to a predetermined logic state (0).

A register (3) analyses each of the logic states present on specific

lines respectively associated to the optional components. Each optional **component** has a specific pin (12) **connected** internally to the supply pin and associated to a contact (14) of the board connected to the corresponding specific line.
USE/ADVANTAGE - In microprocessor boards. **Automatically** detects presence of optional components. Does not require jumper setting. Minimises board space overhead to perform function.

Equivalent Alerting Abstract US A
The device for indicating the presence of optional components (01-04) makes use of fact that each component has a first pin (10) associated to a first contact (11) of the board connected to a first voltage corresponding to a predetermined logic state (0).
The device comprises register (3) analysing each of the logic states present on specific lines respectively associated to the optional components. Each optional **component** has a specific pin (12) **connected** inside the **component** to said first pin (10) and associated to a second contact (14) of the board connected to the corresponding specific line.
ADVANTAGE - Does not need jumper setting.

Title Terms/Index Terms/Additional Words: DEVICE; INDICATE; PRESENCE; OPTION; COMPONENT; BOARD; DEDICATE; PIN; CONNECT; REGISTER; LOGIC; ZERO; PRESENT; PULL; ONE; ABSENCE

Class Codes
International Classification (Main): G06K-019/073, G07F-007/10, H03K-019/003
(Additional/Secondary): G06K-019/077, H05K-007/14
US Classification, Issued: 307465100, 377054000, 377056000, 364488000

File Segment: EPI;
DWPI Class: T01; T05; V04
Manual Codes (EPI/S-X): T01-J08A; T05-E; V04-T02

19/5/39 (Item 39 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2006 The Thomson Corporation. All rts. reserv.

0005417763 - Drawing available
WPI ACC NO: 1991-016095/
XRPX Acc No: N1991-012440
Programming method for controller - provides automatic retrieval **of execution** programs **corresp. to** application **programs not part of basic instruction set**
Patent Assignee: MITSUBISHI DENKI KK (MITQ)
Inventor: IIDA N; ONISHI S
Patent Family (5 patents, 4 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
EP 407849	A	19910116	EP 1990112581	A	19900702	199103	B
EP 407849	A3	19920701	EP 1990112581	A	19900702	199333	E
EP 407849	B1	19970423	EP 1990112581	A	19900702	199721	E
DE 69030535	E	19970528	DE 69030535	A	19900702	199727	E
			EP 1990112581	A	19900702		
US 5995987	A	19991130	US 1990548691	A	19900705	200003	E
			US 1993135188	A	19931012		

Priority Applications (no., kind, date): JP 1989177601 A 19890710; JP 19902863 A 19900110

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
EP 407849	A	EN			

Regional Designated States,Original: DE GB SE

EP 407849 A3 EN
EP 407849 B1 EN 19 12
Regional Designated States,Original: DE GB SE
DE 69030535 E DE Application EP 1990112581
Based on OPI patent EP 407849
US 5995987 A EN Continuation of application US 1990548691

Alerting Abstract EP A

The programming system for a programmable controller is improved by providing for, **automatic retrieval** of the execution **programs** corresponding to application instructions which do not form a part of the basic program instruction set. Application instructions embedded within a sequence program are recognised and their names are displayed on the operator's display (24). The corresponding execution instructions are retrieved and subsequently combined with the sequence program while the operator monitors the retrieval operation on the display (27).

After the execution instructions have all been copied over into the memory (16) for the sequence program, the application instructions may optionally be rewritten as standard sub-routine instructions including the head address of the given set of execution instructions, to avoid the need for a symbol table to interpret between application instruction names and the corresponding head address for the execution instructions.

ADVANTAGE - Improved memory efficiency. @(17pp Dwg.No.1/12)@

Title Terms/Index Terms/Additional Words: PROGRAM; METHOD; CONTROL; AUTOMATIC; RETRIEVAL; EXECUTE; CORRESPOND; APPLY; PART; BASIC; INSTRUCTION; SET

Class Codes
International Classification (Main): G05B-019/05, G06F-009/44
(Additional/Secondary): G06F-015/00
US Classification, Issued: 708130000, 364191000, 364192000, 364194000, 364147000

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-F05

19/5/41 (Item 41 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0004747789 - Drawing available
WPI ACC NO: 1989-114527/ **198915**
Personal computer network - uses operating system patch and group intermediate computers to provide group database resources to each transparent **to user**
Patent Assignee: AMERICAN TELEPHONE & TELEGRAPH CO (AMTT); AT & T BELL LAB (AMTT)
Inventor: LAGGIS E G; LAGGIS G E; MEYER F P; MEYER P F
Patent Family (7 patents, 12 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
WO 1989003086	A	19890406	WO 1988US213	A	19880126	198915	B
EP 370008	A	19900530	EP 1988901982	A	19880126	199022	E
JP 3501784	W	19910418	JP 1988501886	A	19880126	199122	E
US 5109515	A	19920428	US 1987101391	A	19870928	199220	E
CA 1308200	C	19920929	CA 574773	A	19880815	199245	E
EP 370008	B1	19930331	EP 1988901982	A	19880126	199313	E
			WO 1988US213	A	19880126		
DE 3879947	G	19930506	DE 3879947	A	19880126	199319	E
			EP 1988901982	A	19880126		
			WO 1988US213	A	19880126		

Priority Applications (no., kind, date): US 1987101391 A 19870928

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 1989003086	A	EN	53	36	
National Designated States,Original: JP					
Regional Designated States,Original: AT BE CH DE FR GB IT LU NL SE					
EP 370008	A	EN			
Regional Designated States,Original: DE FR GB IT NL					
US 5109515	A	EN	53		
CA 1308200	C	EN			
EP 370008	B1	EN	64	36	PCT Application WO 1988US213 Based on OPI patent WO 1989003086
Regional Designated States,Original: DE FR GB IT NL					
DE 3879947	G	DE			Application EP 1988901982 PCT Application WO 1988US213 Based on OPI patent EP 370008 Based on OPI patent WO 1989003086

Alerting Abstract WO A

A number of personal computers (10) are connected together to form a computer network. Groups of the personal computers are connected to intermediate computers (11), one or more of which is connected to a main frame computer (12). A software patch (21) added into the personal computer operating system (20) at kemal level is designed to trap certain user service requests. These requests are sent to a kemel-level driver (31) in the operating system of the group intermediate computer. The driver collects requests from all the group Pc's and inputs them to a request server (32), this performs requested file and resource serving and locking services in order to make requested files or resources available on or through the intermediate computer to the PC's operating system.

The request server uses a kemal level network service routine NETSVR (33) to find requested files and resources on other intermediate computers and to **transfer** requested **files** to its own group intermediate computer. The request server calls upon a APISVR routine (34) to **obtain** requested **files** which are **unavailable** on other intermediate computers (11) from a database (13) of the mainframe computer. The request server notifies its success or failure at each attempt to the patch (21) through the driver (31). In response to the information returned, the patch communicates the trapped user requests to the PC operating system to service them.

USE/ADVANTAGE - Networking of Personal Computers. Uses intermediate computer to service groups of PC's through kemel level patch in PC operating system.

Equivalent Alerting Abstract US A

A computer network comprises personal computers (PCs 10), groups of which are each logically connected to a different one of a number of intermediate computers (11). At least one of the intermediate computers is **connected** to a mainframe computer (12). **File** and resource serving and locking services are provided **transparently** to PC user programs (200). Certain user service requests (''open file'' and ''exit'' calls) on each PC to the PC operating systems (20,22) are trapped by an operating system kernel-level patch (21), and corresponding requests are sent to a kernel-level driver (31) on the associated intermediate computer.

The driver collects requests from all PCs associated with the intermediate computer and funnels them to user level request server (32) on the intermediate computer. The request server performs requested file and resource serving and locking services in an effort to make requested files or resources available on or through the intermediate computer to the PC's operating system.p

Title Terms/Index Terms/Additional Words: PERSON; COMPUTER; NETWORK; OPERATE; SYSTEM; PATCH; GROUP; INTERMEDIATE; DATABASE; RESOURCE; **TRANSPARENT** ; USER

Class Codes
International Classification (Main): G06F-009/46
(Additional/Secondary): G06F-013/10, G06F-015/16
US Classification, Issued: 395725000, 364DIG, 364232300, 364235000, 364239000, 364241900, 364242600, 364242700, 364242940, 364247000, 364248100, 364253000, 364253200, 364254000, 364254500, 364265000, 364280000, 364280200, 364280600, 364280900, 364281300, 364284000

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-F02; T01-J02A

19/5/49 (Item 49 from file: 347)
DIALOG(R)File 347:JAPIO

05650690 **Image available**
COMPONENT RETRIEVAL SYSTEM

PUB. NO.: 09-265490 [JP 9265490 A]
PUBLISHED: October 07, 1997 (**19971007**)
INVENTOR(s): AOYANAGI TORU
HINO YUKARI
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 08-076266 [JP 9676266]
FILED: March 29, 1996 (19960329)
INTL CLASS: [6] G06F-017/50; G06F-017/30
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)
JAPIO KEYWORD:R060 (MACHINERY -- Automatic Design)

ABSTRACT

PROBLEM TO BE SOLVED: To shorten retrieval time and to support the improvement of the efficiency of a retrieval operation by **automatically** loosening retrieval conditions and performing retrieval in the case that a **component** is **not present** .
SOLUTION: Selection items corresponding to retrieval items are turned to a menu and registered in a design information file 1, and when the registration number is large, a user narrows the retrieval items for featuring a desired component, reduces a data amount and registers the data to the design information file 1'. While comparing a retrieval condition file 5 and a design information file 1', the component matched with the retrieval conditions set by the user is retrieved in a retrieval processor 4. As the result, when the pertinent **component** is **not present** , 'no pertinent **component** ' is outputted to a CAD device and simultaneously, the retrieval conditions set at first are automatically loosened, the retrieval items are increased, the selection item corresponding to the retrieval condition item is extracted and the retrieved result is registered in a retrieved result file 8'.

19/5/52 (Item 52 from file: 347)
DIALOG(R)File 347:JAPIO

04282538 **Image available**
INFORMATION TRANSMITTING SYSTEM

PUB. NO.: 05-274238 [JP 5274238 A]
PUBLISHED: October 22, 1993 (**19931022**)
INVENTOR(s): ISHIHARA RYOICHI
APPLICANT(s): TAKAOKA ELECTRIC MFG CO LTD [000284] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 04-097320 [JP 9297320]

FILED: March 25, 1992 (19920325)
INTL CLASS: [5] G06F-013/00
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units)
JOURNAL: Section: P, Section No. 1683, Vol. 18, No. 50, Pg. 139, January 26, 1994 (19940126)

ABSTRACT

PURPOSE: To provide a method in which information transmission is performed only by recognizing the program name of the other side even when the program is operated on any computers on LAN by **automatically** selecting and fixing the route of the information transmission to be performed through the LAN.

CONSTITUTION: This system is equipped with an information **transmission** control **program** 2 on computers A-D **connected** to the LAN, and also master naming server X on the LAN. An information **transmission** control **program** 2a **receives** an information **transmission** request from a specified **application program** 1a, refers to program information 3a of the other side of the information transmission provided inside the own computer, **obtains** the **program** information of the other side from the naming server X when the **program** of the other side is **not present**, and performs the information **transmission** and reception with a **program** 1d of the other side. Thus, the information transmission through the LAN is controlled.

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File 348:EUROPEAN PATENTS 1978-2006/ 200631
         (c) 2006 European Patent Office
File 349:PCT FULLTEXT 1979-2006/UB=20060803,UT=20060727
         (c) 2006 WIPO/Univentio

Set     Items   Description
S1    2788961   SOFTWARE OR PROGRAM? ? OR APPLICATION? ? OR FILE? ?
S2    1168175   MODULE? ? OR SUBMODULE? ? OR LIBRARY OR LIBRARIES OR DLL OR
               DLLS OR COMPONENT? ? OR SUBCOMPONENT? ? OR CONSTITUENT? ?
S3      31518   S1:S2(10N)(MISSING OR ABSENT OR UNAVAILABLE OR ("NOT" OR T
              OR CANNOT)(3W)(PRESENT OR FIND OR FOUND OR AVAILABLE))
S4      22691   S1:S2(5N)DEPENDEN?
S5     191987   S1:S2(5N)(RELATIONSHIP? ? OR RELIANCE? ? OR RELIANT OR LIN-
              K???? OR CONNECT????)
S6     326403   S1:S2(5N)(ACQUIR? OR ACQUISITION OR RETRIEV??? OR OBTAIN???
               OR GET? ? OR GETTING OR GOTTEN OR DOWNLOAD??? OR FETCH??? OR
              TRANSFER???? OR SEND??? OR SENT OR DELIVER??? OR TRANSMIT? OR
              TRANSMISSION OR UPLOAD??? OR RECEIV? OR RETURN???)
S7     727918   RECURSIV? OR DYNAMIC? OR FLY OR TRANSPARENT? OR AUTOMATIC?
              OR REAL()TIME OR ADAPTIV?
S8     119149   S1:S2(5N)RECEIV???
S9       3264   S3(20N)S6
S10       311   S3(20N)S6(20N)S7
S11        59   S4:S5(100N)S10
S12        78   S3(20N)S8(20N)S7
S13        22   S4:S5(100N)S12
S14    147076   S1:S2(5N)(ACQUIR? OR ACQUISITION OR RETRIEV??? OR OBTAIN???
               OR GET? ? OR GETTING OR GOTTEN OR DOWNLOAD??? OR FETCH???)
S15       137   S7(20N)S14(20N)S3
S16       171   S11 OR S13 OR S15
S17        35   S16 AND AC=US/PR AND AY=(1978:1998)/PR
S18        35   S16 AND AC=US AND AY=1978:1998
S19        35   S16 AND AC=US AND AY=(1978:1998)/PR
S20        31   S16 AND PY=1978:1998
S21        41   S17:S20
S22        41   IDPAT (sorted in duplicate/non-duplicate order)
S23       765   S3(50N)(S6 OR S8)(50N)S7
S24       162   S4:S5(100N)S23
S25       306   S7(50N)S14(50N)S3
S26       392   S24:S25
S27       221   S26 NOT S16
S28        61   S27 AND AC=US/PR AND AY=(1978:1998)/PR
S29        61   S27 AND AC=US AND AY=1978:1998
S30        61   S27 AND AC=US AND AY=(1978:1998)/PR
S31        62   S27 AND PY=1978:1998
S32        78   S28:S31
S33        78   IDPAT (sorted in duplicate/non-duplicate order)
?
```

22/3,K/7 (Item 7 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01027198
A METHOD AND APPARATUS FOR INCLUDING SELF-DESCRIBING INFORMATION WITHIN DEVICES
EIN VERFAHREN UND EINE VORRICHTUNG ZUM VERSEHEN VON GERATEN MIT SELBSTBESCHREIBENDEN INFORMATIONEN
PROCEDE ET APPAREIL COMPRENANT DES INFORMATIONS AUTODESCRIPTIVES DANS UN DISPOSITIF
PATENT ASSIGNEE:
Sony Electronics Inc., (1360226), One Sony Drive, Park Ridge, New Jersey 07656, (US), (Proprietor designated states: all)
INVENTOR:
LUDTKE, Harold, A., 5876 Ettersberg Drive, San Jose, CA 95123, (US)
FAIRMAN, Bruce, 275 Martinez Road, Woodside, CA 94062, (US)
SMYERS, Scott, D., 6170 Mancuso Street, San Jose, CA 95120, (US)
SHIMA, Hisato, 12610 Paseo Flores, Saratoga, CA 95070, (US)
PROEHL, Andrew, M., Apartment 5A 323 W. 89th Street, New York, NY 10024, (US)
LEGAL REPRESENTATIVE:
Pilch, Adam John Michael (50481), D. YOUNG & CO., 21 New Fetter Lane, London EC4A 1DA, (GB)
PATENT (CC, No, Kind, Date): EP 998704 A1 000510 (Basic)
EP 998704 B1 030416
WO 99006910 990211
APPLICATION (CC, No, Date): EP 98937160 980722; WO 98US15529 980722
PRIORITY (CC, No, Date): US 54327 P 970731; US 92703 980604
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
INTERNATIONAL PATENT CLASS (V7): G06F-009/445
NOTE:
No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200316	1326
CLAIMS B	(German)	200316	1221
CLAIMS B	(French)	200316	1366
SPEC B	(English)	200316	6432
Total word count - document A			0
Total word count - document B			10345
Total word count - documents A + B			10345

...SPECIFICATION or additional information about the device 10. Such access of the internet address is preferably **transparent** to the user and is performed after initialization of the device 10 to the network. Through this internet address, the computer system 18 is able to **obtain** driving **software** for controlling the operation of the device 10. thereby eliminating the need to include a disk with the device. Also through this internet address, the computer system 18 can later **automatically** obtain upgrades to the self-describing information or driving **software**, allowing devices to be later used in **applications not available** when the device was first designed. In an alternate embodiment of the present invention, only...

22/3,K/9 (Item 9 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01126121
Collective objects management system using R.F. object identification
Kollektivobjektverwaltungssystem mit Radiofrequenzobjektidentifizierung

Systeme de gestion d'objets collectifs utilisant l'identification des objets par radiofrequence

PATENT ASSIGNEE:
MAGNEX CORPORATION, (1236170), 6850 Santa Teresa Boulevard, San Jose, California 95119, (US), (Proprietor designated states: all)
INVENTOR:
Lin, Fong-Jei, 19450 Via Madronas Court, Saratoga California 95070, (US)
Zhu, Shengbo, 1072 Minoru Drive, San Jose California 95120, (US)
LEGAL REPRESENTATIVE:
Cross, Rupert Edward Blount et al (42891), BOULT WADE TENNANT, Verulam Gardens 70 Gray's Inn Road, London WC1X 8BT, (GB)
PATENT (CC, No, Kind, Date): EP 984384 A2 000308 (Basic)
EP 984384 A3 020529
EP 984384 B1 041124
APPLICATION (CC, No, Date): EP 99306809 990826;
PRIORITY (CC, No, Date): US 144391 980831
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS (V7): G06K-007/10; G06K-017/00
ABSTRACT WORD COUNT: 161
NOTE:
Figure number on first page: 5

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200010	880
CLAIMS B	(English)	200448	795
CLAIMS B	(German)	200448	831
CLAIMS B	(French)	200448	801
SPEC A	(English)	200010	5016
SPEC B	(English)	200448	4723
Total word count - document A			5898
Total word count - document B			7150
Total word count - documents A + B			13048

...SPECIFICATION number of significant advantages absent from the prior art. Firstly, since the invention provides an **automatic** visible indication of the drawer and file folder containing the desired documents, the time to find and **retrieve** a **file** is significantly reduced. In addition, the integrity of the entire file system can be easily...

...or ad hoc basis in a relatively short period of time, and a list of **missing files** can be **automatically** compiled by the computer. Moreover, the use of visible indicators to signal the location of...

...SPECIFICATION number of significant advantages absent from the prior art. Firstly, since the invention provides an **automatic** visible indication of the drawer and file folder containing the desired documents, the time to find and **retrieve** a **file** is significantly reduced. In addition, the integrity of the entire file system can be easily...

...or ad hoc basis in a relatively short period of time, and a list of **missing files** can be **automatically** compiled by the computer. Moreover, the use of visible indicators to signal the location of...

22/3,K/17 (Item 17 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00889211

Object oriented multi-media architecture
Objektorientierte Multimedia-Architektur
Architecture multimedia oriente objet
PATENT ASSIGNEE:
LSI LOGIC CORPORATION, (561302), 1551 McCarthy Boulevard, Milpitas, CA 95035, (US), (applicant designated states: AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
INVENTOR:
Dangelo, Carlos, 248 University Avenue, Los Gatos, California 95030, (US)
LEGAL REPRESENTATIVE:
Burke, Steven David et al (47741), R.G.C. Jenkins & Co. 26 Caxton Street, London SW1H 0RJ, (GB)
PATENT (CC, No, Kind, Date): EP 813147 A2 971217 (Basic)
APPLICATION (CC, No, Date): EP 97303923 970606;
PRIORITY (CC, No, Date): US 661183 960610
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
INTERNATIONAL PATENT CLASS (V7): G06F-009/46;
ABSTRACT WORD COUNT: 126
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9712W2	1108
SPEC A	(English)	9712W2	6045
Total word count - document A			7153
Total word count - document B			0
Total word count - documents A + B			7153

...CLAIMS class protocols.
4. A system according to claim 3 wherein the virtual machine program includes **dynamic** class loader means for determining whether an object referenced in the incoming bytecode stream is an instance of a class protocol defined in the class **library** and for **downloading** any **missing** class protocol or **library** .
5. A system according to claim 1 wherein the virtual machine program includes means for...

22/3,K/18 (Item 18 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00875454
Apparatus and method for file number remapping during disconnected operations in a client-server network.
Einrichtung und Verfahren um eine Dateinummer wahrend einer Betriebsunterbrechung in einem client-server Netzwerk, abzubilden
Dispositif et procede pour re-apparier les numeros des fichiers pour des operations deconnectees dans un reseau client-serveur.
PATENT ASSIGNEE:
SUN MICROSYSTEMS, INC., (1392737), 901 San Antonio Road, MS PAL01-521, Palo Alto, California 94303, (US), (Proprietor designated states: all)
INVENTOR:
Mastors, Robert, 8340 Capewood Court, Colorado Springs, CO 80920, (US)
Falkner, Sam L., 5807 Chokecherry Drive, Colorado Springs, CO 80919-4415, (US)
LEGAL REPRESENTATIVE:
Hanna, Peter William Derek et al (72341), Tomkins & Co., 5 Dartmouth Road , Dublin 6, (IE)
PATENT (CC, No, Kind, Date): EP 802488 A1 971022 (Basic)
EP 802488 B1 990929
APPLICATION (CC, No, Date): EP 97104949 970324;
PRIORITY (CC, No, Date): US 631933 960415
DESIGNATED STATES: DE; FR; GB; IT; SE
INTERNATIONAL PATENT CLASS (V7): G06F-017/30

ABSTRACT WORD COUNT: 118
NOTE:
Figure number on first page: 2 3

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9710W3	1207
CLAIMS B	(English)	9939	1276
CLAIMS B	(German)	9939	1244
CLAIMS B	(French)	9939	1528
SPEC A	(English)	9710W3	5814
SPEC B	(English)	9939	5837
Total word count - document A			7022
Total word count - document B			9885
Total word count - documents A + B			16907

...SPECIFICATION a table for storing and remapping file numbers is created. The client assigns a new **file** number for the new **file** created while the server is **unavailable** , and stores the new **file** number in the table. The **file** number assigned by the client can be selected to be unique from the file numbers...

...Upon the server becoming available, the true file number, assigned by the server, of the **file** is **obtained** from the server and stored in the table. ...the table to the file number assigned by the client, therefore permitting the client to **transparently** create the new **file** while the server is **unavailable** .
The table can be structured with a first column and a second column, the first...

...SPECIFICATION a table for storing and remapping file numbers is created. The client assigns a new **file** number for the new **file** created while the server is **unavailable** , and stores the new **file** number in the table. The **file** number assigned by the client can be selected to be unique from the file numbers...Upon the server becoming available, the true file number, assigned by the server, of the **file** is **obtained** from the server and stored in the table. The true file number assigned by the...

...the table to the file number assigned by the client, therefore permitting the client to **transparently** create the new **file** while the server is **unavailable** .
The table can be structured with a first column and a second column, the first...

22/3,K/20 (Item 20 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00669112
SEQUENTIAL INFORMATION INTEGRATION SERVICE FOR INTEGRATING TRANSFER OF FILES OR OTHER DATA ENTITIES BETWEEN A PLURALITY OF PROGRAM MODULES AND A STORAGE IN A COMPUTER
SEQUENTIELLER INFORMATIONSINTEGRATIONSDIENST FUER DATEIUEBERTRAGUNGSINTEGRATION ZWISCHEN MEHREREN PROGRAMMODULEN UND EINEM SPEICHER IN EINEM COMPUTER
SERVICE D'INTEGRATION D'INFORMATIONS SEQUENTIELLE POUR L'INTEGRATION DU TRANSFERT DE FICHIERS OU D'AUTRES ENTITES DE DONNEES ENTRE UNE PLURALITE DE MODULES DE PROGRAMMES ET UNE MEMOIRE DANS UN ORDINATEUR
PATENT ASSIGNEE:
Raytheon Company, (2516151), Bldg. R11 - M/S M365, P.O. Box 902, 2000 El Segundo Blvd., El Segundo, California 90245, (US), (Proprietor designated states: all)

INVENTOR:
NGUYEN, Ha, T., 117 South Calle Da Gama, Anaheim, CA 92807, (US)
BARRETT, Willard, H., 12691 Strathmore Drive, Garden Grove, CA 92640, (US)
LEGAL REPRESENTATIVE:
Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721), Maximilianstrasse 58, 80538 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 651895 A1 950510 (Basic)
EP 651895 B1 990929
WO 9428482 941208
APPLICATION (CC, No, Date): EP 94917456 940520; WO 94US5678 940520
PRIORITY (CC, No, Date): US 69053 930524
DESIGNATED STATES: DE; DK; FR; GB; NL
INTERNATIONAL PATENT CLASS (V7): G06F-009/44
NOTE:
No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9939	683
CLAIMS B	(German)	9939	554
CLAIMS B	(French)	9939	866
SPEC B	(English)	9939	3574
Total word count - document A			0
Total word count - document B			5677
Total word count - documents A + B			5677

...SPECIFICATION specified criteria, indicating that the caller designated the complete filename in the read command, the **GET FILE** subroutine 74 returns to the **GET FILE** PRINT routine 72 with the filename. This action will be performed even if the -d...

...of a file from a list which only includes itself is redundant.
If the -d **file** argument was **not present** in the read command and the dialog flag is logically FALSE, indicating **automatic** operation, the **GET FILE** subroutine 74 returns to the **GET FILE** PRINT subroutine 72 with the filename. If the dialog flag is logically TRUE, indicating the...

22/3,K/22 (Item 22 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00482460
Data terminal for communicating over a telephone circuit.
Daten-Terminal zur Kommunikation uber eine Fernsprechschaltung.
Terminal de donnees pour communication par un circuit telephonique.
PATENT ASSIGNEE:
COMMUNICATIONS MANUFACTURING COMPANY, (1351920), 2234 Colby Avenue, Los Angeles, California 90064, (US), (applicant designated states: DE;FR;GB;IT)
INVENTOR:
Butler, Myron C., 1608 North Washington Street, Edmond, Oklahoma 73034, (US)
Madore, Christopher, 9462 Alderbury Street, Cypress, California 90630, (US)
LEGAL REPRESENTATIVE:
Ayers, Martyn Lewis Stanley et al (42851), J.A. KEMP & CO. 14 South Square Gray's Inn, London, WC1R 5EU, (GB)
PATENT (CC, No, Kind, Date): EP 454316 A2 911030 (Basic)
EP 454316 A3 930818
APPLICATION (CC, No, Date): EP 91303118 910409;
PRIORITY (CC, No, Date): US 514318 900423
DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS (V7): H04M-003/30; H04M-011/06;
ABSTRACT WORD COUNT: 157

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1714
SPEC A	(English)	EPABF1	7532
Total word count - document A			9246
Total word count - document B			0
Total word count - documents A + B			9246

...SPECIFICATION within the scope of thy present invention. One advantage is that the terminal can receive **programs** **downloaded** over a conventional telephone circuit. In a particular embodiment, the present invention allows an applications...

...that less transmission time is needed. This is permitted by placing a program language support **library** in the terminal, which **library** is used to insert " **missing** " pieces of the transmitted **program** . The **program** reconstruction within the terminal occurs **transparently** to the terminal user so that once a **program** is **downloaded** , a title is **automatically** entered in a menu used by the user to select functions of the terminal and the " **missing** " pieces are **automatically** **retrieved** from the in-terminal **program** language support language as needed when the program is run.
Another advantage of the present...

22/3,K/23 (Item 23 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00451472
SECURITY MANAGEMENT METHOD IN A DECENTRALIZED DATA BASE SYSTEM.
VERFAHREN ZUR VERWALTUNG DER SICHERHEIT IN EINEM DEZENTRALISIERTEN DATENBANKSYSTEM.
PROCEDE DE GESTION DE LA SECURITE DANS UN SYSTEME DE BASE DE DONNEES DECENTRALISEE.
PATENT ASSIGNEE:
FUJITSU LIMITED, (211460), 1015, Kamikodanaka Nakahara-ku, Kawasaki-shi Kanagawa 211, (JP), (applicant designated states: DE;FR;GB)
INVENTOR:
KAKEHI, Gen, 20-9-101, Edaminami 5-chome Midori-ku, Yokohama-shi Kanagawa 227, (JP)
RYU, Tadamitsu 1-604 Konandai Kotohausu, 1151-121, Kamigocho Sakae-ku, Yokohama-shi Kanagawa 247, (JP)
MOGI, Yoshio, 102-4, Hiraicho, Tochigi-shi Tochigi 328, (JP)
FUKATSU, Takanori 101 Sankei Manshon, 665, Miyazaki Miyamae-ku, Kawasaki-shi Kanagawa 213, (JP)
ARAKI, Hiroshi 458 Fujitsu Shimonogeryo, 3-9-1, Shimonoge Takatsu-ku, Kawasaki-shi Kanagawa 213, (JP)
KUSABA, Yoshiaki 271 Fujitsu Shimonogeryo, 3-9-1, Shimonoge Takatsu-ku, Kawasaki-shi Kanagawa 213, (JP)
MURAKAWA, Masahiko 421 Fujitsu Dainiyurigaokaryo, 2-7-5, Chiyogaoka Asao-ku, Kawasaki-shi Kanagawa 215, (JP)
TAKAHARA, Toshio, 578-1, Futago, Takatsu-ku Kawasaki-shi Kanagawa 213, (JP)
HIRONO, Shingo, 3-23-6-403, Nerima, Nerima-ku Tokyo 176, (JP)
OHSHIRO, Takashi W-8-210 Fujitsu Nakaharahausu, 532, Shimokodanaka Nakahara-ku, Kawasaki-shi Kanagawa 211, (JP)
MATSUMOTO, Tohru, 1156-1, Nagatsutacho Midori-ku, Yokohama-shi Kanagawa 227, (JP)
OHISHI, Jiroh, 1124, Aotocho Midori-ku, Yokohama-shi Kanagawa 226, (JP)
ENDO, Mamoru, 2-8-1-110, Minamidai Sagamihara-shi, Kanagawa 228, (JP)

GAMOH, Mineo, 27-5, Uenashi Yuki-shi, Ibaragi 307, (JP)
TANIDA, Toshitsugu, 577, Oaza Tagawa Oyama-shi, Tochigi 307-02, (JP)
OHYA, Takashi, 2464, Oaza Ko Fujiokamachi, Shimotsuga-gun Tochigi 349-13, (JP)
HAGIYA, Tomohiro 502 Banhausukyomachi Sangureisu, 6-13, Wateridasannocho Nakahara-ku, Kawasaki-shi Kanagawa 210, (JP)
LEGAL REPRESENTATIVE:
Lehn, Werner, Dipl.-Ing. et al (7471), Hoffmann, Eitle & Partner Patentanwalte Arabellastrasse 4, W-8000 Munchen 81, (DE)
PATENT (CC, No, Kind, Date): EP 460216 A1 911211 (Basic)
EP 460216 A1 930623
WO 9104533 910404
APPLICATION (CC, No, Date): EP 90913227 900911; WO 90JP1163 900911
PRIORITY (CC, No, Date): JP 89236051 890912; JP 89236054 890912; JP 89270044 891017; JP 89323096 891213; JP 89323097 891213; JP 89323098 891213; JP 9056042 900307; JP 9066155 900316; JP 9066158 900316; JP 9071609 900320; JP 9071612 900320
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS (V7): G06F-012/00;
ABSTRACT WORD COUNT: 110

LANGUAGE (Publication,Procedural,Application): English; English; Japanese
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1595
SPEC A	(English)	EPABF1	22637
Total word count - document A			24232
Total word count - document B			0
Total word count - documents A + B			24232

...SPECIFICATION of the program transmitted in (S-6).
(S-9) The group managing terminal notifies the **program** requesting terminal that the **program** is **not found** .
(S-10) Processing returns to step (S-1) if it is necessary to **retrieve** the **program** again and terminates if it is unnecessary.
(S-11) If the requested program is used temporarily, the group managing terminal also sends the deleting program or the **automatically** corrupting program to the program requesting terminal.
(S-12) The program requesting terminal performs processing...

22/3,K/25 (Item 25 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00415116
Programming method and programming unit for programmable controller
Verfahren und Vorrichtung zur Programmierung eines programmierbaren Steuergerates
Methode et dispositif pour programmer une unite de commande programmable
PATENT ASSIGNEE:
MITSUBISHI DENKI KABUSHIKI KAISHA, (208580), 2-3, Marunouchi 2-chome Chiyoda-ku, Tokyo 100, (JP), (applicant designated states: DE;GB;SE)
INVENTOR:
Iida, Naomi c/o Mitsubishi Denki K.K., Nagoya Works 1-14 Yadaminami 5-chome, Higashi-ku Nagoya-shi Aichi, (JP)
Onishi, Sakuyuki c/o Mitsubishi Denki K.K., Nagoya Works 1-14 Yadaminami 5-chome, Higashi-ku Nagoya-shi Aichi, (JP)
LEGAL REPRESENTATIVE:
Lehn, Werner, Dipl.-Ing. et al (7471), Hoffmann, Eitle & Partner, Patentanwalte, Postfach 81 04 20, 81904 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 407849 A2 910116 (Basic)
EP 407849 A3 920701
EP 407849 B1 970423
APPLICATION (CC, No, Date): EP 90112581 900702;

PRIORITY (CC, No, Date): JP 89177601 890710; JP 902863 900110
DESIGNATED STATES: DE; GB; SE
INTERNATIONAL PATENT CLASS (V7): G05B-019/05; G06F-009/44;
ABSTRACT WORD COUNT: 148

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	761
CLAIMS B	(English)	EPAB97	756
CLAIMS B	(German)	EPAB97	649
CLAIMS B	(French)	EPAB97	843
SPEC A	(English)	EPABF1	3048
SPEC B	(English)	EPAB97	3520
Total word count - document A			3809
Total word count - document B			5768
Total word count - documents A + B			9577

...SPECIFICATION a sequence program to be detected automatically, and corresponding application instruction execution programs to be **automatically** read from an auxiliary storage and combined with the sequence program.

SUMMARY OF THE INVENTION...

...includes the step of describing application instructions by their common names when writing a sequence **program** using **application** instructions **unavailable** as basic **program** instructions, the step of **retrieving** the **application** instructions in the sequence program by their names, and the step of **automatically** reading the application instruction execution programs corresponding to the application instructions from an auxiliary storage...

...SPECIFICATION and a programming method allow application instructions used in a sequence program to be detected **automatically** , and corresponding application instruction execution programs to be **automatically** read from an auxiliary storage and combined with the sequence program.

Therefore, in one aspect...

...includes the step of describing application instructions by their common names when writing a sequence **program** using **application** instructions **unav**ailable as basic **program** instructions, the step of **retrieving** the **application** instructions in the sequence program by their names, and the step of **automatically** reading the application instruction execution programs corresponding to the application instructions from an auxiliary storage...

...CLAIMS a combination of basic program instructions and application instructions, using the common names of said **application** instructions, said application instructions being unavailable as basic program instructions for said controller;

retrieving the...

...describing application instructions by means of their common names in writing a sequence program, said **application** instructions being **unavailable** as basic **program** instructions for said controller;

application instruction retrieving means for retrieving the **application** instructions in said sequence program, using said common names;

application instruction execution program reading means for automatically reading application instruction execution **programs** corresponding to said **retrieved application** instructions from an auxiliary storage; and

program combining means for combining said application instruction execution...

...for a programmable controller, comprising:
application instruction describing means for naming, in writing a sequence **program** , **application** instructions **unavailable** as basic **program** instructions and for storing same in a main storage area;
application instruction **retrieving** means for **retrieving** the application instructions in said sequence program according to said names;
application instruction execution program reading means for **automatically** reading from an auxiliary storage area application instruction execution programs corresponding to said retrieved application...

22/3,K/29 (Item 29 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00475655
COMPUTERIZED SYSTEM AND ASSOCIATED METHOD FOR OPTIMALLY CONTROLLING STORAGE AND TRANSFER OF COMPUTER PROGRAMS ON A COMPUTER NETWORK
SYSTEME INFORMATISE ET PROCEDE ASSOCIE POUR LE CONTROLE OPTIMAL DE LA MISE EN MEMOIRE ET DU TRANSFERT DE PROGRAMMES INFORMATIQUES SUR RESEAU INFORMATIQUE
Patent Applicant/Assignee:
CATHARON PRODUCTIONS INC,
Inventor(s):
FEINBERG Michael A,
FEINBERG Matthew A,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9907007 A2 19990211
Application: WO 98US15627 19980728 (PCT/WO US9815627)
Priority Application: US 97902591 19970729
Designated States:
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AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 88340

Fulltext Availability:
Detailed Description

Detailed Description
... machine-executable code modules of the applications program.
Occasionally, one computer will require a code **module** which it does **not** have in **present** memory. Then the one computer can **obtain** the required code **module** from the other computer. ...process illustrated in
Fig. 5 to include conditions for additional types of packets

The Code **Module** Exchange Protocol (CMXP) handles dynamic **downloading** of
executable code, **program** version control, client-to-client **module** exchange, virus and malicious **program** protection, data uploading, idle-time **downloading** , and code **module**
e
caching. These functions are variously performed in servers 14 and 22 by code module...

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File   8:Ei Compendex(R) 1970-2006/Jul W5
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File  94:JICST-EPlus 1985-2006/Apr W5
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File  34:SciSearch(R) Cited Ref Sci 1990-2006/Jul W5
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         (c) 2006 The HW Wilson Co.
File 266:FEDRIP 2005/Dec
         Comp & dist by NTIS, Intl Copyright All Rights Res
File  95:TEME-Technology & Management 1989-2006/Aug W1
         (c) 2006 FIZ TECHNIK

Set     Items   Description
S1    8460325   SOFTWARE OR PROGRAM? ? OR APPLICATION? ? OR FILE? ?
S2    4024479   MODULE? ? OR SUBMODULE? ? OR LIBRARY OR LIBRARIES OR DLL OR
               DLLS OR COMPONENT? ? OR SUBCOMPONENT? ? OR CONSTITUENT? ?
S3      18685   S1:S2(10N)(MISSING OR ABSENT OR UNAVAILABLE OR ("NOT" OR T
              OR CANNOT)(3W)(PRESENT OR FIND OR FOUND OR AVAILABLE))
S4      54216   S1:S2(5N)DEPENDEN?
S5     131422   S1:S2(5N)(RELATIONSHIP? ? OR RELIANCE? ? OR RELIANT OR LIN-
              K???? OR CONNECT????)
S6     416016   S1:S2(5N)(ACQUIR? OR ACQUISITION OR RETRIEV??? OR OBTAIN???
               OR GET? ? OR GETTING OR GOTTEN OR DOWNLOAD??? OR FETCH??? OR
              TRANSFER???? OR SEND??? OR SENT OR DELIVER??? OR TRANSMIT? OR
              TRANSMISSION OR UPLOAD??? OR RECEIV? OR RETURN???)
S7    5470651   RECURSIV? OR DYNAMIC? OR FLY OR TRANSPARENT? OR AUTOMATIC?
              OR REAL()TIME OR ADAPTIV?
S8         10   S3 AND S4:S5 AND S6 AND S7
S9          8   RD  (unique items)
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9/5/2 (Item 1 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online

01657553 ORDER NO: AAD98-39454

ANALYSIS OF SOFTWARE RELIABILITY AND PERFORMANCE (COMPLEXITY METRICS, SYSTEM MODULES)

Author: GOKHALE, SWAPNA SUDHIR
Degree: PH.D.
Year: 1998
Corporate Source/Institution: DUKE UNIVERSITY (0066)
Supervisor: KISHOR S. TRIVEDI
Source: VOLUME 59/07-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 3548. 191 PAGES
Descriptors: COMPUTER SCIENCE ; ENGINEERING, ELECTRONICS AND ELECTRICAL
Descriptor Codes: 0984; 0544

With the steadily growing power and reliability of hardware, software has been identified as a major stumbling block in achieving desired levels of system dependability. Conventional approaches for the assessment of software reliability suffer from several limitations and are based on various stringent and unrealistic assumptions. The emphasis of this dissertation is to relax some of the stringent and unrealistic assumptions underlying the software reliability models, discuss some of their limitations and propose new approaches to overcome these limitations. In particular, we focus on the following three objectives:

It is an old programming adage that a relatively small number of modules in a software system contain disproportionately large number of errors. Software complexity metrics have been shown to be closely related to the number of faults in the **software modules** . A number of predictive **relationships** have been developed to classify the software modules into fault-prone and non-fault prone categories based on the software complexity metrics. Some techniques have also been proposed to predict the actual number of errors in a software module based on the complexity metrics. However, these techniques are unstable in the presence of correlated data, and cannot handle **missing** values, which are a commonly occurring feature in case of **software** engineering data sets. We propose the application of a regression tree modeling technique to predict the number of faults in a software module at the end of the development phase based on software complexity metrics, so that testing and validation efforts can be channeled in an effective direction. Data analysis using the regression tree model demonstrates that this technique enjoys better performance than the commonly used fault density approach.

The predictions **obtained** using the existing **software** reliability growth models are optimistic due to several reasons, namely, the saturation effect of testing, inaccuracies in the operational profile, and the assumption of instantaneous and perfect fault removal. We focus on the enhancement of software reliability growth models to incorporate code coverage and finite fault removal time which can help alleviate the problem of optimistic predictions. A methodology to compute the failure rate of the software based on the model with finite fault removal time is described. In addition, an economic model which accounts for finite fault removal is presented, which can help determine optimal software release criterion based on cost constraints.

Prevalent black-box based approaches to software reliability modeling are inappropriate to model the modern heterogeneous systems, where components having different failure behaviors and workloads interact. We outline the specification and solution methods for architecture-based software reliability and performance prediction, and present an exhaustive discussion of the Markov chain based approaches. We then present a hybrid approach to architecture-based reliability prediction, where we parameterize the analytic model of an **application** using trace information **obtained** from the testing of the **application** . To facilitate this, we use ATAC (**Automatic** Test Analyzer in C) which is a part of Software Understanding and Diagnosis System developed at Bellcore, and demonstrate

the methodology by predicting the reliability and performance of SHARPE (Symbolic Hierarchical Automated Reliability and Performance Evaluator), which has been used to solve stochastic models of reliability, performance and performability.

9/5/4 (Item 1 from file: 2)

05280407 INSPEC Abstract Number: C9212-6110J-033
Title: Object orientated design for flexible manufacturing systems
Author(s): Martinez, M.T.; Shariat, B.
Author Affiliation: Lyon Univ., Villeurbanne, France
Conference Title: Advances in Electrical Engineering Software. Proceedings of the First International Conference on Electrical Engineering Analysis and Design p.263-72
Editor(s): Silvester, P.P.
Publisher: Comput. Mech. Publications, Southampton, UK
Publication Date: 1990 Country of Publication: UK 377 pp.
ISBN: 1 85312 088 X
Conference Date: 21-23 Aug. 1990 Conference Location: Lowell, MA, USA
Language: English Document Type: Conference Paper (PA)
Treatment: General, Review (G); Practical (P)
Abstract: Computerized manufacturing software is becoming exceedingly complex. This class of system is subject to very specific constraints: numerous processes, hard **real - time** characteristics, the necessity of reliability, and the heterogeneousness of the production system together with its continuous resetting according to demand. Standard methods reach their limits. A promising direction is the object oriented design methodology (OOD), whose basic principle is the non-hierarchical decomposition of the program into objects forming the problem domain. The chief advantage is to **obtain** , **not program** elements only **available** in one single **application** , but reusable modular **software components** . The reduction in intermodule **dependency** and in project global complexity is an answer to the industrial requirements of reliability and flexibility. When applied to manufacturing systems, the methodology proves its efficiency. For the integration of the unavoidable already-existing alien systems, a virtual object technique is proposed, that also provides solutions to the communication problem. The non-hierarchical OOD decomposition reveals itself usefully exploitable for the design of distributed policies. Failure-resistance and plant structure versatility are consequences of the distributed control and reliable self-contained module design. An application is presented. (15 Refs)
Subfile: C
Descriptors: flexible manufacturing systems; object-oriented programming; software reliability
Identifiers: CIM; flexible manufacturing systems; hard **real - time** characteristics; reliability; heterogeneousness; object oriented design methodology; reusable modular software; intermodule dependency; virtual object technique; distributed policies; plant structure versatility; reliable self-contained module design
Class Codes: C6110J (Object-oriented programming); C7420 (Control engineering); C3355 (Manufacturing processes)

9/5/5 (Item 2 from file: 2)

03667621 INSPEC Abstract Number: C86029969
Title: Camphor: a programming environment for extensible systems
Author(s): Kazar, M.L.
Author Affiliation: Inf. Technol., Center, Carnegie-Mellon Univ., Pittsburgh, PA, USA

Conference Title: USENIX Association Summer Conference Proceedings 1985 p.107-12
Publisher: USENIX Assoc, El Cerrito, CA, USA
Publication Date: 1985 Country of Publication: USA viii+612 pp.
Conference Sponsor: USENIX Assoc
Conference Date: 11-14 June 1985 Conference Location: Portland, OR, USA
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: UNIX contains many examples of programs that have succeeded because their users have been able to extend them procedurally; troff and EMACS are two obvious examples. In each case ad hoc techniques such as interpreters for special languages were used, primarily because the UNIX C environment insists on linking all the code into an a.out file before it is executed. The Camphor environment provides for parts of an application to be written in the form of **modules** that are **linked** into a process during its execution. It consists of a compiler that generates pure, position-independent code, and a run-time system that traps references to **missing modules**, searches a path for them, and links them into the running process. By placing private modules in this path, users can customize and extend applications to satisfy their own needs. Camphor's **dynamic linking** has another benefit. **Applications** using many conventional **libraries** must be re- **linked** whenever any one changes. Ensuring that they are up-to-date in a large distributed environment is time consuming. But **applications dynamically linking modules acquire** up-to-date versions whenever they are executed. (4 Refs)
Subfile: C
Descriptors: programming environments
Identifiers: programming environment; extensible systems; UNIX; Camphor
Class Codes: C6115 (Programming support)

9/5/6 (Item 1 from file: 94)
DIALOG(R)File 94:JICST-EPlus

06343066 JICST ACCESSION NUMBER: 06A0148086 FILE SEGMENT: JICST-E
A Middleware Architecture for On-the- fly **Application Modification in Ubiquitous Augmented Reality**
VEAS EDUARDO ENRIQUE (1); KIYOKAWA KIYOSHI (1); TAKEMURA HARUO (1)
(1) Osaka Univ., Osaka, Jpn
Denshi Joho Tsushin Gakkai Gijutsu Kenkyu Hokoku(IEIC Technical Report (Institute of Electronics, Information and Communication Engineers), 2006, VOL.105,NO.533(PRMU2005 137-148), PAGE.31-36, FIG.5, REF.13
JOURNAL NUMBER: S0532BBG ISSN NO: 0913-5685
UNIVERSAL DECIMAL CLASSIFICATION: 681.3:621.397.3 681.3.066 621.396.73
LANGUAGE: English COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication
ABSTRACT: In the combination of ubiquitous computing and augmented reality areas, UAR, users move in an environment created from a myriad of computing devices and, depending on location, engage in collaboration activities with different augmented systems. In this paper we propose a middleware and a management solution to flexible application switching relative to user location. Based on a reflective architecture, the proposed middleware supports various network services and different **application** configurations. Furthermore, by **downloading** the **missing components**, **applications** can be composed on the **fly**. On the other hand, the proposed data management solution divides the environment in a hierarchy of areas, where each area keeps information about applications and their required **components**, as well as **links** to **download** servers. The concept is exemplified through a demo-system that allows a user entering an area to query for and join an AR application. (author abst.)

DESCRIPTORS: virtual reality; middleware; resource allocation; system architecture; **dynamic** system; hierarchical structure; mobile communication; client server system; download; packaging design; moving object; software; software component; mold and pattern
IDENTIFIERS: component; software component
BROADER DESCRIPTORS: computer graphics; image technology; technology; computer application; utilization; system program; computer program; assignment problem; problem; computer architecture; computer system(architecture); method; system; structure; telecommunication; computer system(hardware); design; object
CLASSIFICATION CODE(S): JE04010I; JD03020J; ND08030H

9/5/7 (Item 1 from file: 144)

15646270 PASCAL No.: 02-0351619
CSP networking for Java (JCSP.net)
Computational science : Amsterdam, 21-24 April 2002
WELCH Peter H; ALDOUS Jo R; FOSTER Jon
SLOOT Peter MA, ed; TAN CJ Kenneth, ed; DONGARRA Jack J, ed; HOEKSTRA Alfons G, ed
Computing Laboratory, University of Kent at Canterbury, England, CT2 7NF, United Kingdom
ICCS 2002 : international conference on computational science (Amsterdam NLD) 2002-04-21
Journal: Lecture notes in computer science, 2002, 2329 vol. 2, 695-708
ISBN: 3-540-43591-3 ISSN: 0302-9743 Availability: INIST-16343; 354000096951571830
No. of Refs.: 17 ref.
Document Type: P (Serial); C (Conference Proceedings) ; A (Analytic)
Country of Publication: Germany
Language: English
JCSP is a library of Java packages providing an extended version of the CSP/occam model for Communicating Processes. The current (1.0) release supports concurrency within a single Java Virtual Machine (which may be multi-processor). This paper presents recent work on extended facilities for the **dynamic** construction of CSP networks across distributed environments (such as the Internet). Details of the underlying network fabric and control (such as machine addresses, socket connections, local multiplexing and de-multiplexing of application channels, acknowledgement packets to preserve synchronisation semantics) are hidden from the JCSP programmer, who works entirely at the application level and CSP primitives. A simple brokerage service - based on channel names - is provided to let distributed JCSP **components** find and **connect** to each other. Distributed JCSP networks may securely evolve, as components join and leave at run-time with no centralised or pre-planned control. Higher level brokers, providing user-defined matching services, are easy to bootstrap on top of the basic Channel Name Server (CNS) - using standard JCSP processes and networking. These may impose user-defined control over the structure of network being built. JCSP network channels may be configured for the **automatic** loading of class **files** for **received** objects whose classes are **not available** locally (this uses the network channel from which they were received - the sender must have them). Also provided are connection channels (for extended bi-directional transactions between clients and servers) and anonymous channels (to set up communications without using any central registry - such as the given CNS). The aims of JCSP.net are to simplify the construction and programming of **dynamically** distributed and parallel systems. It provides high-level support for CSP architectures, unifying concurrency logic within and between processors. Applications cover all areas of concurrent computing - including e-commerce, agent technology, home networks, embedded systems, high-performance clusters and The Grid.

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File 275:Gale Group Computer DB(TM) 1983-2006/Aug 04
         (c) 2006 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2006/Aug 04
         (c) 2006 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2006/Aug 04
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File  16:Gale Group PROMT(R) 1990-2006/Aug 04
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File  15:ABI/Inform(R) 1971-2006/Aug 07
         (c) 2006 ProQuest Info&Learning
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         (c) 2006 CMP Media, LLC
File 674:Computer News Fulltext 1989-2006/Jul W4
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File 369:New Scientist 1994-2006/Jul W2
         (c) 2006 Reed Business Information Ltd.
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc

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               OR REAL()TIME OR ADAPTIV?
S8       1748   S3(50N)S6(50N)S7
S9        278   S4:S5(100N)S8
S10       181   RD  (unique items)
S11        14   S4(100N)S8
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S13       793   S3(50N)S12(50N)S7
S14       113   S5(100N)S13
S15       123   S11 OR S14
S16        79   RD  (unique items)
S17        53   S16 NOT PY=1999:2006
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17/9/25 (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

01744054 Supplier Number: 53152381 (THIS IS THE FULLTEXT)
Tioga Systems Announces Self-Healing Software for the Enterprise.
Business Wire, p0052
Nov 2, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 746
TEXT:
PALO ALTO, Calif.--(BUSINESS WIRE)--Nov. 2, 1998--

Programmatic Approach Enables IT to Manage Desktop Applications by State; Increase End User Uptime, Decrease TCO

Tioga Systems, Inc., a company formed to pioneer a new class of enterprise software management solutions, today announced its first product, the Tioga Self-Healing System(TM).

The Tioga System is a breakthrough product for corporate Information Technology (IT) executives who need to dramatically reduce desktop downtime in order to keep their businesses running. Unlike manual solutions, the Tioga System programmatically determines and monitors an **application** 's **components** and **dependencies** , or its working state. Based on this data, IT managers can activate a complete spectrum of software conflict detection and repair, from automated self-healing to remote diagnosis, troubleshooting, and repair.

"Applications are deployed much more frequently and aggressively today than ever before, which means more moving parts to manage on the desktop," said Stephen Foote, senior vice president at the Hurwitz Group. "Tioga has a significant and unique value proposition -- the ability to **automaticaly** determine **dependencies** for an **application** , monitor its **components** and heal **applications** when a **component** becomes **unavailable** . This is one of the first technologies to focus on **applications** onc their desktop to fix the problem. The manual aption failures, which significantly reduces the nhnology, **automatically** captures and monitors the working configuration of any software application, enabling a new way for IT executives to manage enterprise software -- state-based management. With the Tioga System, **applications** are **returned** to their working state, or self-healed, and individual desktop or mobile PC customizations remain intact while end-users work without interruption.

The Tioga System is centrally managed, enabling remote diagnosis and repair of software conflicts and resulting in dramatic reductions of software-related calls to the corporate help desk and help desk personnel visits to the desktop, improvements to the quality of IT service and ultimately increases in end-user productivity.

"It's not black magic," said Mark Pincus, CEO at Tioga. "The Self-Healing System is intelligent and deterministic, it can dramatically improve the diagnosis and repair of application software problems through automation. The advantages are clear, the system is easy for end users to operate, easy for system administrators to control and offers real, quantifiable value."

The Tioga Self-Healing System

-- The Tioga Server controls the Tioga Agent and efficiently stores all of the files that make up protected applications. Through the Server, administrators maintain central control over which applications are protected, as well as whether healing is initiated at launch, by the user, or remotely by support personnel.

-- The Tioga Remote Healing Console allows support representatives to remotely diagnose and repair any application. Using the Console's Repair View, the representative can drill down and conduct detailed problem analysis.

-- The Tioga Agent probes existing applications on the desktop at scheduled intervals and automatically protects and heals them according to options set by the Tioga Server administrator. For example, the Agent can be set to protect all applications nightly and to heal each of them every

time they launch.

-- The Tioga Mobile Agent extends self-healing capabilities to machines disconnected from the network.

-- The Tioga Integration Modules enable the Tioga System to integrate with other leading enterprise software solutions such as Remedy HelpDesk(R), Peregrine ServiceCenter(R), Computer Associates Unicenter TNG(R), and Tivoli TME 10(R).

Tioga is the only system that protects any Windows application -- custom or prepackaged -- without requiring any modification. It discovers and protects both previously deployed and user-installed applications on any system in the network.

Partnerships Key to End-to-End System Management

Tioga has partnered with leading enterprise systems management and help desk vendors, including Remedy, Computer Associates, Peregrine and Tivoli, to provide the first truly self-healing system for closed-loop management of software applications.

"We are working closely with Tioga to integrate its unique state-based Self-Healing System with Peregrine's Enterprise ServiceDesk," said Steve Spitzer, vice president and general manager of channels and alliances at Peregrine Systems. "Together, we will offer a closed loop system for problem resolution, dramatically reducing software related support costs through call avoidance and automated remote diagnosis and repair."

Pricing and Availability

The Tioga Self-Healing System is available immediately and pricing starts at $10,000, based on the number of client seats.

About Tioga

Founded in 1997, Palo-Alto, Calif.-based Tioga Systems, Inc., develops and markets innovative, enterprise-enabled software designed to automatically diagnose and "self-heal" application software conflicts. Tioga has the financial support of venture capital backers Accel Partners and Softbank Technology Ventures. Tioga can be reached at 650/565-8600, or visit www.Tioga.com.

PUBLISHER NAME: Business Wire
INDUSTRY NAMES: BUS (Business, General); BUSN (Any type of business)

17/9/26 (Item 2 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

01622728 Supplier Number: 48360786 (THIS IS THE FULLTEXT)
XcelleNet Announces Availability of The RemoteWare Managed Client; First Suite To Provide Total Remote Systems Management Solution
PR Newswire, p0316ATM020
March 16, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1147
TEXT:
New RemoteWare Managed Client Includes RemoteWare Software Manager, Invento ry

Manager, AntiVirus Manager and Backup Manager

ATLANTA, March 16 /PRNewswire/ -- XcelleNet(R), Inc. (Nasdaq: XNET), the leading provider of systems management solutions for remote users, today announced the availability of the RemoteWare(R) Managed Client, which includes Software Manager, Inventory Manager, AntiVirus Manager and Backup Manager. The RemoteWare Managed Client, the only suite of systems management software optimized for the management of remote computers, enables businesses to reduce the total cost of ownership (TCO) for their remote and mobile systems. The announcement of the RemoteWare Managed Client coincides with the release of a remote systems management report

from International Data Corporation (IDC) (please see associated press release entitled "IDC White paper -- First Study on Remote Systems Management Finds Rapid, Significant Return On Investment (ROI)").

"Remote systems management is a growing and closely watched market. Major studies by IDC and the Gartner Group confirm that the number of remote and mobile users systems is skyrocketing and, as a group, these users are more complex and costly to manage than LAN-based users," said Corey M. Smith, president of XcelleNet. "RemoteWare Managed Client is specifically designed to meet the challenges of managing remote users, thereby extending the benefits of systems management beyond the limitations of the LAN."

RemoteWare Managed Client Benefits

According to industry analysts, TCO for remote and mobile PCs is at least 58 percent higher, per client, than for LAN-based computers. XcelleNet's RemoteWare Managed Client gives system administrators better control over "hard-to-manage" remote systems, reducing TCO by decreasing system administration and support and increasing end-user productivity.

With the availability of the RemoteWare Managed Client, XcelleNet solves business-critical issues facing IS managers of remote PCs and laptops in five key areas: software distribution; asset and configuration management; diagnostics and recovery; event and alarm management; and content and applications management.

"For our company, having complete control, effective manageability and reduced support costs for our remote systems represents a lower total cost of ownership. We can invest the savings towards enhancing our remote sales applications and improving the effectiveness of our Sales Force," said Michael Morini, IS Consultant for American Greetings. "the RemoteWare Managed Client from XcelleNet helps us provide our sales force with a comprehensive remote systems management solution."

New RemoteWare Managed Client

XcelleNet's flagship product, RemoteWare, is a comprehensive systems management solution targeted to companies with large numbers of remote and mobile users who want to reduce the cost of managing far-flung resources and have found traditional LAN-based solutions to be inadequate. The RemoteWare Managed Client is now available and includes: Software Manager, Inventory Manager, AntiVirus Manager and Backup Manager.

RemoteWare Software Manager

Software Manager automates and optimizes the delivery of files, applications and updates to remote users. During a communication session between the RemoteWare server and the remote client, Software Manager **automatically** checks installed **software** , verifies that it is current, looks for damaged or **missing files** , and **downloads** required **files** . Then only the necessary **files** are delivered, using the communication optimization features of RemoteWare to minimize connect time. Finally, once the remote **connection** is terminated, **Software** Manager completes the software installation or update **automatically** , offline, without requiring end-user intervention. This automated delivery eliminates escalated support requirements, ensures control and consistency, and reduces maintenance overhead.

RemoteWare Inventory Manager

Inventory Manager **automatically** scans and **retrieves** detailed information on hardware and **software** resident on remote systems. Scans can occur on-line during a client-server connection, or can be specified to occur off-line with the resulting inventory information retrieved during a subsequent connection. Inventory information is deposited centrally into an ODBC-compliant relational database, ensuring that system administrators have a comprehensive repository of information on remote assets prior to performing hardware and software updates, troubleshooting, or performing other administrative tasks.

RemoteWare AntiVirus Manager

RemoteWare AntiVirus Manager allows system administrators to automatically control from one central location how and when virus scans are performed on remote and mobile systems. AntiVirus Manager allows system administrators to automatically distribute and "silently" install Network Associates/McAfee VirusScan(R) scanning software and updates on remote

systems. Configuration settings at the remote system can be checked during every connection and automatically reset if they've been changed or disabled. The results of virus scans are returned from each PC to a central database for review and further action by the system administrator.

RemoteWare Backup Manager

Backup Manager allows system administrators to automate all remote system backup activity, giving them control over how and when backups occur. Backups may be scheduled to take place offline or during a connection with the server, and may be initiated by either client or server. The system administrator can designate that end-users individually manage backup activity for their own systems, or the administrator can centrally control backup procedures for an entire group of RemoteWare users. Through innovative change detection technology, RemoteWare Backup Manager is able to detect differences in old and new versions of backup files at the byte-level, sending only those data changes to the server. The resulting transfer minimizes file size, completing backups that might have taken hours in just minutes.

Platforms, Pricing and Availability

Available immediately, the RemoteWare Managed Client runs in the Microsoft Windows environment and is available for $375 per client. RemoteWare Software Manager, Inventory Manager, AntiVirus Manager and Backup Manager are also individually available, ranging in price from $50 to $75 per client. For current RemoteWare customers, an upgrade to the RemoteWare Managed Client is $195 per client. Special introductory promotions are being offered to XcelleNet's installed base during the first quarter of 1998.

About XcelleNet

XcelleNet, Inc., Atlanta, Georgia, is the leading provider of systems management solutions for remote users. Its RemoteWare brand of products enables systems administrators to more effectively manage remote PCs, thereby reducing total cost of ownership (TCO) and maximizing end-user productivity. XcelleNet's systems management tools, optimized for users who intermittently dial in to enterprise systems, address five key areas: software distribution; asset and configuration management; diagnostics and recovery; event and alarm management; and content and applications management. XcelleNet's products have been licensed to over 1,700 organizations supporting approximately 650,000 users in a variety of industries. Further information on XcelleNet is available on the World Wide Web at http://www.xcellenet.com.

SOURCE XcelleNet, Inc.

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/NOTE TO EDITORS: For the complete IDC Report on Remote Systems Management and further information on XcelleNet, visit the online press room at http://www.xcellenet.com/press/ deborah.cox@xcellenet.com, or Shawn Whalen or Ed Harrison, Schwartz Communications, 781-684-0770, swhalen@schwartz-pr.com/

/Web site: http://www.xcellenet.com/
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Breakthrough software development with "Smart Pull" technology: automatically updates desktop applications

Applications developed in any language, delivered to any platform

NASHUA, N.H., Dec. 9 /PRNewswire/ -- Open Software Associates (OSA) today announced that it is shipping the third release of OpenWEB netDeploy, version 1.2. This latest offering provides software developers the tools to deploy mission-critical programs throughout the enterprise or across the world, and introduces a "Smart Pull" model for the Internet.

For corporate application developers, netDeploy allows applications to be developed, tested and deployed in small incremental steps. "The cost, time and effort normally associated with broad deployment of an application or update is almost entirely eliminated by netDeploy," said Graeme Greenhill, President of OSA. "Frequent updating is a radical departure for software developers. Now IT departments can adapt more quickly to the changing needs of their users, and can avoid the schedule overruns that are inevitable with long development projects."

"OpenWEB netDeploy's innovative 'Smart Pull' technology also addresses the bandwidth bottleneck in software distribution on the Internet. Even the smallest Java applets, for example, can take considerable time to download. And, when those applets are distributed to thousands of clients, bandwidth can get eaten up pretty quickly," stated Mitch Kramer, Consulting Editor, Patricia Seybold Group. "Through a version-control approach, after an initial full distribution, OpenWEB netDeploy automatically and transparently downloads only those application components that have changed since the last time the application was executed. And, when there has been no change, nothing is downloaded."

Key Components of netDeploy

OpenWEB netDeploy is the first product to deploy applications produced with any development language (Java, C, C++, COBOL, etc.) over the widest range of desktop computers (Windows, OS/2, UNIX and Macintosh). netDeploy is comprised of two components -- the Packer and the Launcher.

The netDeploy Packer prepares application components for transmission from a developer's Web server. It allows software developers to create a catalog with details of all components required for an application. The Packer assigns a cryptographic digest and optionally compresses each component. A single link to the catalog file on a Web page can then deliver a new or updated application, with just one click of the mouse.

The netDeploy Launcher enables end users to download and install any application over the Internet. The Launcher, which is available from OSA's Web site, enables end users to securely transfer new applications or their latest upgrade files to a persistent cache, and launches the applications.

The netDeploy Launcher includes automatic version checking to allow application updates as needed to all users, without intervention by developers. Only those components that have changed since the last time the application was launched will be downloaded, thus saving time and reducing network traffic on frequently used applications.

New Features of netDeploy 1.2

OpenWEB netDeploy version 1.2 has been enhanced to handle the many details of deploying real world applications, whether developed in conventional languages, 4GLs, client/server tools, Visual Basic, or Java.

Application developers have many new options as they prepare applications for deployment using the netDeploy Packer. In addition to listing the basic components and data files required, the developer can now specify dependencies on specific versions of other components such as dynamic link libraries or Java virtual machines. They can also direct components (such as DLLs) to be installed outside the netDeploy cache directory tree when required.

The netDeploy Launcher manages all the downloading, installation and version updating on the end users system. In addition to tracking the installed applications in the netDeploy Launch manager, the Launcher can also install an icon and/or Start menu entry for running the application directly from the desktop, instead of from a Web page.

When an application is run from the desktop environment, a netDeploy-installed application can be configured to first check for required updates if there is a network **connection** available, or simply run the application that is already installed if the system is off-line. The launcher can now operate both as a helper application for all leading Web browsers, and independently of any browser.

The Launcher also now handles **application component dependencies**. It will **automatically retrieve** and install the correct version of any **dependent component** that is **not** already **present** on the user's system.

PRICING AND AVAILABILITY

Versions of OpenWEB netDeploy version 1.2 are available now for Microsoft Windows 95, 3.1, and NT; Sun Solaris, HP-UX, and AIX. Other platforms will follow.

Pricing ranges from $295 for a single netDeploy Packer up to $50,000 for a corporate license buyout.

The product can be downloaded for evaluation and purchased directly from OSA's Web site at http://www.osa.com.

Open Software Associates is a leading supplier of products and professional services for Internet-based client-server application development and deployment. OSA was founded in 1990 and is employee-owned. U.S. headquarters are in Nashua, New Hampshire, with international operations in Australia and Germany.

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What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Is this request for a BOARD of APPEALS case? (Circle One) YES (NO)

- Software (SW) dependency
- Determine if the dependency is currently present, if then aquire the SW dependency associated with SW
- After aquiring the SW update the database that the SW is installed on the computer that is associated with dependency.
- Aquiring SW associated with SW dependency is recursively processing the SW dependency.

STIC Searcher Geoffrey St. Leger Phone 23540
Date picked up 8/7/6 Date Completed 8/7/6

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